Component Documentation

Tag

A modern, accessible, and highly customizable tag/chip component for displaying labels, categories, status information, and actionable items. Features multiple color variants, sizes, icons, avatars, and interactive capabilities.

How to use

import { AavaTagComponent } from "@aava/play-core" ;

Basic Usage

Simple tag implementations with labels and basic styling options.

```
<aava-tag type="tag" color="default" size="lg" label="Default Tag"></aava-tag>
<aava-tag
  type="tag"
  color="default"
  size="lg"
  label="Outlined Tag"
  [variant]="outlined"
></aava-tag>
<aava-tag
  type="tag"
  color="default"
  size="lg"
  label="Pill Tag"
  [pill]="true"
></aava-tag>
<aava-tag
  type="tag"
  color="default"
  size="lg"
  label="Outlined Pill Tag"
  [variant]="outlined"
  [pill]="true"
></aava-tag>
```

Status Badge

Semantic status badges for different contexts and meanings.

```
<aava-tag type='badge' label="Success" color="success" [size]="'lg'"></aava-tag>
<aava-tag type='badge' label="Warning" color="warning" [size]="'lg'"></aava-tag>
<aava-tag type='badge' label="Error" color="error" [size]="'lg'"></aava-tag>
<aava-tag type='badge' label="Info" color="info" [size]="'lg'"></aava-tag>

---

onTagClick(tagName: string): void {
    console.log(`${tagName} tag clicked!`);
  }
```

Available Status Badge Colors

• Success : Green for positive states and confirmations
• Warning : Orange for caution and attention states
• Error : Red for error states and critical information
• Info : Blue for informational content
• Custom : User-defined colors via CSS custom properties

Variants

Filled and outlined style variants for different visual emphasis.

```
<aava-tag label="Filled" size="lg" color="default" variant="filled"></aava-tag>
<aava-tag
  label="Outlined"
  size="lg"
  color="default"
  variant="outlined"
></aava-tag>
```

Style Variants

• Filled : Solid background with high contrast (default)
• Outlined : Transparent background with colored border and text

Sizes

Three size options to fit different interface requirements and hierarchy.

```
<aava-tag
  label="Extra Small"
  size="xs"
  color="default"
  variant="filled"
></aava-tag>
<aava-tag label="Small" size="sm" color="default" variant="filled"></aava-tag>
<aava-tag label="Medium" size="md" color="default" variant="filled"></aava-tag>
<aava-tag label="Large" size="lg" color="default" variant="filled"></aava-tag>
<aava-tag
  label="Extra Large"
  size="xl"
  color="default"
  variant="filled"
></aava-tag>
```

Available Sizes

• xs (Extra Small) - Extra compact size for very dense interfaces
• sm (Small) - Compact size for dense interfaces
• md (Medium) - Standard size for most use cases (default)
• lg (Large) - Prominent size for primary actions
• xl (Extra Large) - Extra large size for hero sections and CTAs

Icons

Icon integration with positioning and customization options.

```
<aava-tag
  label="Star"
  icon="star"
  iconPosition="start"
  [size]="'lg'"
></aava-tag>
<aava-tag
  label="Check"
  icon="check-circle"
  iconPosition="start"
  [size]="'lg'"
></aava-tag>
<aava-tag
  label="Warning"
  icon="alert-triangle"
  iconPosition="start"
  [size]="'lg'"
></aava-tag>
<aava-tag
  label="Error"
  icon="x-circle"
  iconPosition="start"
  [size]="'lg'"
></aava-tag>
<aava-tag
  label="Info"
  icon="info"
  iconPosition="start"
  [size]="'lg'"
></aava-tag>
```

Icon Features

• Positioning : Start (leading) or end (trailing) positions
• Custom Colors : Override icon colors independently
• Size Adaptation : Icons automatically scale with tag size
• Icon Library : Integration with ava-icon component system

Avatars

User avatar support for person tags and user identification.

```
<aava-tag
  label="John Smith"
  [size]="'lg'"
  [avatar]="https://randomuser.me/api/portraits/men/32.jpg"
></aava-tag>
<aava-tag
  label="Kane Smith"
  [size]="'lg'"
  [avatar]="https://randomuser.me/api/portraits/men/44.jpg"
></aava-tag>
<aava-tag
  label="Bob Wilson"
  [size]="'lg'"
  [avatar]="https://randomuser.me/api/portraits/men/67.jpg"
></aava-tag>
<aava-tag label="Alice Brown" [size]="'lg'" [avatar]="AB"></aava-tag>
```

Avatar Types

• Image Avatars : Profile pictures from URLs
• Initial Avatars : Text-based avatars with user initials

Interactive Tags

Clickable and removable tags with event handling and state management.

```
<aava-tag
  *ngFor="let tag of tags; trackBy: trackByTag"
  [label]="tag.label"
  [removable]="true"
  (clicked)="onTagClick(tag.label)"
  (removed)="onTagRemove(tag)"
  [pill]="true"
  [size]="'lg'"
  [variant]="'outlined'"
></aava-tag>

---

tags: Tag[] = [
    { id: 1, label: 'JavaScript' },
    { id: 2, label: 'Angular' },
    { id: 3, label: 'TypeScript' },
    { id: 4, label: 'CSS' },
    { id: 5, label: 'HTML' },
  ];

  onTagClick(tagName: string): void {
    console.log(`${tagName} tag clicked!`);
  }

  onTagRemove(tagToRemove: Tag): void {
    this.tags = this.tags.filter((tag) => tag.id !== tagToRemove.id);
    console.log(`${tagToRemove.label} tag removed!`);
  }

  trackByTag(index: number, tag: Tag): number {
    return tag.id;
  }
```

Interactive Features

• Clickable : Click handlers for tag selection and navigation
• Removable : Close button with removal events
• Hover Effects : Visual feedback for interactive states
• Keyboard Support : Enter key activation for accessibility
• Disabled State : Non-interactive disabled appearance

Custom Tags

Custom color tags with user-defined styling using CSS custom properties.

```html
<aava-tag
  *ngFor="let tag of customColorTags"
  [label]="tag.label"
  [color]="tag.color"
  [size]="tag.size"
  [customStyle]="tag.customStyle"
  (clicked)="onTagClick(tag.label)">
</aava-tag>
```

```typescript
export interface CustomColorTag {
  label: string;
  color: 'custom';
  size: 'lg';
  customStyle: Record<string, string>;
}

export class TagsColorsComponent {
  customColorTags: CustomColorTag[] = [
    {
      label: 'Purple',
      color: 'custom',
      size: 'lg',
      customStyle: {
        '--tag-custom-bg': '#f3e8ff',
        '--tag-custom-color': '#7c3aed',
        '--tag-custom-border': '1px solid #7c3aed'
      }
    },
    {
      label: 'Pink',
      color: 'custom',
      size: 'lg',
      customStyle: {
        '--tag-custom-bg': '#fdf2f8',
        '--tag-custom-color': '#ec4899',
        '--tag-custom-border': '1px solid #ec4899'
      }
    },
    {
      label: 'Teal',
      color: 'custom',
      size: 'lg',
      customStyle: {
        '--tag-custom-bg': '#f0fdfa',
        '--tag-custom-color': '#14b8a6',
        '--tag-custom-border': '1px solid #14b8a6'
      }
    },
    {
      label: 'Orange',
      color: 'custom',
      size: 'lg',
      customStyle: {
        '--tag-custom-bg': '#fff7ed',
        '--tag-custom-color': '#ea580c',
        '--tag-custom-border': '1px solid #ea580c'
      }
    },
```

```
    {
      label: 'Indigo',
      color: 'custom',
      size: 'lg',
      customStyle: {
        '--tag-custom-bg': '#eef2ff',
        '--tag-custom-color': '#6366f1',
        '--tag-custom-border': '1px solid #6366f1'
      }
    }
  ];

  onTagClick(tagName: string): void {
    console.log(`${tagName} tag clicked!`);
  }
}
```

Custom Color Implementation

Create custom colored tags by setting the color prop to "custom" and providing custom CSS properties through the customStyle input:

• --tag-custom-bg : Background color for the tag
• --tag-custom-color : Text color for the tag
• --tag-custom-border : Border styling for the tag

Accessibility

Built-in accessibility features ensuring inclusive user experience.

Accessibility Features

• Keyboard Navigation : Tab navigation and Enter activation
• ARIA Support : Proper roles and attributes for screen readers
• Focus Management : Clear visual focus indicators
• Disabled States : Proper disabled state communication
• Color Contrast : WCAG-compliant color combinations
• Screen Reader : Descriptive labels and state announcements

API Reference

Inputs

Property	Type	Default	Description
label	string	''	Text label for the tag
color	'default' | 'primary' | 'success' | 'warning' | 'error' | 'info' | 'custom'	'default'	Color variant for the tag

Property	Type	Default	Description
variant	'filled' | 'outlined'	'filled'	Visual style variant
size	'xs' | 'sm' | 'md' | 'lg' | 'xl'	'sm'	Size of the tag component
pill	boolean	false	Whether to use pill-shaped (fully rounded) design
removable	boolean	false	Whether to show remove button
disabled	boolean	false	Whether the tag is disabled
icon	string	undefined	Icon name for ava-icon component
iconPosition	'start' | 'end'	'start'	Position of the icon relative to label
avatar	string	undefined	Avatar image URL or initials text
iconColor	string	undefined	Custom color for icons
customStyle	Record	undefined	Custom CSS custom properties
customClass	string	undefined	Additional CSS class names
type	'badge' | 'tag'	'tag'	Component type: tag or status badge

Outputs

Event	Type	Description
clicked	EventEmitter	Emitted when tag is clicked (if clickable)
removed	EventEmitter	Emitted when remove button is clicked

Properties

Property	Type	Description
clickable	boolean	Read-only property indicating if tag has click handlers

Methods

Method	Parameters	Return Type	Description
onClick()	-	void	Handle tag click events
onRemove(event: Event)	event: Event	void	Handle remove button clicks

CSS Custom Properties

Property	Description
--tags-filled-background	Background color for filled variant
--tags-filled-text	Text color for filled variant
--tags-filled-border	Border color for filled variant
--tags-filled-primary-background	Background color for primary filled variant
--tags-filled-primary-text	Text color for primary filled variant
--tags-filled-primary-border	Border color for primary filled variant
--tags-filled-success-background	Background color for success filled variant
--tags-filled-success-text	Text color for success filled variant
--tags-filled-success-border	Border color for success filled variant
--tags-filled-warning-background	Background color for warning filled variant
--tags-filled-warning-text	Text color for warning filled variant
--tags-filled-warning-border	Border color for warning filled variant
--tags-filled-error-background	Background color for error filled variant
--tags-filled-error-text	Text color for error filled variant
--tags-filled-error-border	Border color for error filled variant
--tags-filled-info-background	Background color for info filled variant
--tags-filled-info-text	Text color for info filled variant
--tags-filled-info-border	Border color for info filled variant
--tags-filled-custom-background	Background color for custom filled variant

Property	Description
--tags-filled-custom-text	Text color for custom filled variant
--tags-filled-custom-border	Border color for custom filled variant
--tags-outlined-background	Background color for outlined variant
--tags-outlined-text	Text color for outlined variant
--tags-outlined-border	Border color for outlined variant
--tags-outlined-primary-text	Text color for primary outlined variant
--tags-outlined-primary-border	Border color for primary outlined variant
--tags-outlined-success-text	Text color for success outlined variant
--tags-outlined-success-border	Border color for success outlined variant
--tags-outlined-warning-text	Text color for warning outlined variant
--tags-outlined-warning-border	Border color for warning outlined variant
--tags-outlined-error-text	Text color for error outlined variant
--tags-outlined-error-border	Border color for error outlined variant
--tags-outlined-info-text	Text color for info outlined variant
--tags-outlined-info-border	Border color for info outlined variant
--tags-outlined-custom-text	Text color for custom outlined variant
--tags-outlined-custom-border	Border color for custom outlined variant
--tags-focus-background	Background color for focus state
--tags-focus-text	Text color for focus state
--tags-focus-border	Border color for focus state
--tags-focus-outline	Outline style for focus state
--tags-disabled-background	Background color for disabled state
--tags-disabled-text	Text color for disabled state
--tags-disabled-border	Border color for disabled state
--tags-disabled-cursor	Cursor style when tag is disabled
--tags-pill-border-radius	Border radius for pill variant
--tags-removable-button-background	Background color for remove button
--tags-removable-button-text	Text color for remove button
--tags-removable-button-size	Size of the remove button icon
--tags-removable-button-border-radius	Border radius for remove button
--tags-removable-button-padding	Padding for remove button

Property	Description
--tags-removable-button-active-background	Background color for active remove button
--tags-removable-button-active-text	Text color for active remove button
--tags-avatar-bg	Background color for avatar
--tags-avatar-initials-bg	Background color for avatar initials
--tags-avatar-initials-color	Text color for avatar initials
--tags-avatar-size	Size of avatar
--tags-avatar-font-size	Font size for avatar initials
--tags-avatar-margin	Margin around avatar
--tag-custom-bg	Custom background color
--tag-custom-color	Custom text color
--tag-custom-border	Custom border color
--tags-xs-font-family	Font family for xs size tags
--tags-xs-font-size	Font size for xs size tags
--tags-xs-font-weight	Font weight for xs size tags
--tags-xs-line-height	Line height for xs size tags
--tags-xs-padding	Padding for xs size tags
--tags-xs-border-radius	Border radius for xs size tags
--tags-sm-font-family	Font family for sm size tags
--tags-sm-font-size	Font size for sm size tags
--tags-sm-font-weight	Font weight for sm size tags
--tags-sm-line-height	Line height for sm size tags
--tags-sm-padding	Padding for sm size tags
--tags-sm-border-radius	Border radius for sm size tags
--tags-md-font-family	Font family for md size tags
--tags-md-font-size	Font size for md size tags
--tags-md-font-weight	Font weight for md size tags
--tags-md-line-height	Line height for md size tags
--tags-md-padding	Padding for md size tags
--tags-md-border-radius	Border radius for md size tags
--tags-lg-font-family	Font family for lg size tags
--tags-lg-font-size	Font size for lg size tags

Property	Description
--tags-lg-font-weight	Font weight for lg size tags
--tags-lg-line-height	Line height for lg size tags
--tags-lg-padding	Padding for lg size tags
--tags-lg-border-radius	Border radius for lg size tags
--tags-xl-font-family	Font family for xl size tags
--tags-xl-font-size	Font size for xl size tags
--tags-xl-font-weight	Font weight for xl size tags
--tags-xl-line-height	Line height for xl size tags
--tags-xl-padding	Padding for xl size tags
--tags-xl-border-radius	Border radius for xl size tags
--tags-icon-gap	Default gap between icon and text
--tags-xl-right-icon-gap	Right icon gap for xl size tags
--tags-lg-right-icon-gap	Right icon gap for lg size tags
--tags-md-right-icon-gap	Right icon gap for md size tags
--tags-sm-right-icon-gap	Right icon gap for sm size tags
--tags-xs-right-icon-gap	Right icon gap for xs size tags
--tags-xl-left-icon-gap	Left icon gap for xl size tags
--tags-lg-left-icon-gap	Left icon gap for lg size tags
--tags-md-left-icon-gap	Left icon gap for md size tags
--tags-sm-left-icon-gap	Left icon gap for sm size tags
--tags-xs-left-icon-gap	Left icon gap for xs size tags
--tags-avatar-color	Text color for avatar
--tags-remove-button-disabled-color	Color for disabled remove button

Best Practices

Design Guidelines

• Use consistent colors for similar concepts across your application
• Choose appropriate sizes based on interface hierarchy and density
• Prefer outlined variants for secondary information
• Use removable tags for user-manageable content
• Consider pill shape for status indicators and badges

Accessibility

• Always provide meaningful labels that describe the tag purpose
• Use color variants semantically (success for positive states, etc.)
• Ensure sufficient color contrast for all variants
• Provide keyboard navigation for interactive tags
• Use ARIA labels for complex tag interactions

Performance

• Avoid frequent color or style changes that trigger repaints
• Use CSS custom properties for dynamic theming
• Consider virtualization for large tag lists
• Batch tag operations for better performance