TSIC Design System - Quick Reference Card

Pin this file when working on Angular components.

🎨 Color Classes

Backgrounds (Fixed, palette-independent)

```html
<div class="bg-surface">        <!-- White card background -->
<div class="bg-surface-alt">    <!-- Slightly tinted -->
<div class="bg-neutral-0">      <!-- Pure white -->
<div class="bg-neutral-50">     <!-- Page background (default) -->
<div class="bg-neutral-100">    <!-- Light gray -->
<div class="bg-neutral-200">    <!-- Dividers -->
```

Backgrounds (Subtle washes - respond to palette)

```html
<div class="bg-primary-subtle"> <!-- 10% primary tint -->
<div class="bg-success-subtle"> <!-- 10% success tint -->
<div class="bg-warning-subtle"> <!-- 10% warning tint -->
<div class="bg-danger-subtle">  <!-- 10% danger tint -->
<div class="bg-info-subtle">    <!-- 10% info tint -->
```

Text Colors (Respond to palette)

```html
<span class="text-primary">   <span class="text-success">
<span class="text-danger">    <span class="text-warning">
<span class="text-info">      <span class="text-muted">
```

📏 Spacing (8px grid)

```html
<!-- Margin -->
<div class="m-0">   <!-- 0px -->
<div class="m-1">   <!-- 4px -->
<div class="m-2">   <!-- 8px -->
<div class="m-3">   <!-- 12px -->
<div class="m-4">   <!-- 16px (BASE) -->
<div class="m-6">   <!-- 24px -->
<div class="m-8">   <!-- 32px -->

<!-- Directional: mt-4, mb-4, pt-4, pb-4, etc. -->
```

```html
<!-- Padding -->
<div class="p-0 p-1 p-2 p-3 p-4 p-6 p-8">

<!-- Gap (flexbox/grid) -->
<div class="d-flex gap-2">
<div class="d-flex gap-4">
```

SCSS Variables:

```scss
padding: var(--space-4);  /* 16px */
margin: var(--space-6);   /* 24px */
gap: var(--space-3);      /* 12px */
```

🔤 Typography

Font Sizes

```html
<span class="text-xs">    <!-- 12px -->
<span class="text-sm">    <!-- 14px -->
<span class="text-base">  <!-- 16px (default) -->
<span class="text-lg">    <!-- 18px -->
<span class="text-xl">    <!-- 20px -->
<span class="text-2xl">   <!-- 24px -->
<span class="text-3xl">   <!-- 30px -->
```

Font Weights

```html
<span class="font-normal">    <!-- 400 -->
<span class="font-medium">    <!-- 500 -->
<span class="font-semibold">  <!-- 600 -->
<span class="font-bold">      <!-- 700 -->
```

Line Heights

```html
<p class="leading-tight">    <!-- 1.25 - headings -->
<p class="leading-normal">   <!-- 1.5 - body -->
<p class="leading-relaxed">  <!-- 1.75 - long-form -->
```

⭕ Border Radius

```html
<div class="rounded-none">  <!-- 0 -->
<div class="rounded-sm">     <!-- 6px - buttons, inputs -->
<div class="rounded-md">     <!-- 8px - cards (default) -->
<div class="rounded-lg">     <!-- 12px - modals -->
<div class="rounded-xl">     <!-- 16px - hero sections -->
<div class="rounded-full">  <!-- 9999px - pills, badges -->
```

☸ Shadows

```html
<div class="shadow-none">
<div class="shadow-xs">
<div class="shadow-sm">    <!-- Hover states -->
<div class="shadow-md">    <!-- Cards (default) -->
<div class="shadow-lg">    <!-- Modals -->
<div class="shadow-xl">    <!-- Popovers -->
```

SCSS:

```scss
box-shadow: var(--shadow-md);
```

🎯 Common Patterns

Card (default)

```html
<div class="card shadow-sm">
  <div class="card-header bg-surface border-0 py-3">
    <h5 class="mb-0">Title</h5>
  </div>
  <div class="card-body">
    Content
  </div>
</div>
```

Stat Card

```html
<div class="card bg-primary-subtle">
  <div class="card-body">
    <h6 class="text-muted mb-2">Revenue</h6>
    <h3 class="mb-0 text-primary">$12,450</h3>
    <small class="text-success">↑ 12%</small>
```

```
    </div>
  </div>
```

Buttons

```
<button class="btn btn-primary">Primary</button>
<button class="btn btn-outline-secondary">Secondary</button>
<button class="btn btn-danger">Delete</button>
<button class="btn btn-link text-primary">Link</button>
```

Form Field

```
<div class="mb-4">
  <label class="form-label font-medium">Email</label>
  <input type="email" class="form-control" placeholder="you@example.com">
  <small class="form-text text-muted">Helper text</small>
</div>
```

Alert

```
<div class="alert bg-success-subtle border-0" role="alert">
  <strong class="text-success">Success!</strong>
  <p class="mb-0 text-muted">Message here.</p>
</div>
```

Badge

```
<span class="badge bg-primary-subtle text-primary rounded-full">New</span>
<span class="badge bg-success">Active</span>
<span class="badge bg-danger">Error</span>
```

☑ Do's

- ☑ Use CSS variables: `var(--space-4)`, `var(--neutral-50)`
- ☑ Use utility classes: `.bg-surface`, `.mb-4`, `.text-primary`
- ☑ Test all 8 palettes (use Brand Preview component)
- ☑ Include focus states for accessibility
- ☑ Use semantic HTML: `<button>`, `<label>`, `<nav>`

✕ Don'ts

- ✖ No magic numbers: `padding: 17px`
- ✖ No inline hex codes: `color: #0ea5e9`
- ✖ No inline styles (use classes)
- ✖ No `!important` unless absolutely necessary
- ✖ No component-specific CSS for common patterns

🧪 Pre-Commit Checklist

1. ☐ Palette test (switch all 8, colors adapt)
2. ☐ Responsive (375px, 768px, 1440px)
3. ☐ Keyboard navigation (tab through)
4. ☐ Focus states visible
5. ☐ No console errors

Need more? See DESIGN-SYSTEM.md or COMPONENT-TEMPLATE.md