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| --- | --- | --- | --- |
| Flex Box | | Grid |  |
| Parent | Display: flex  **flex-direction**  display: inline-flex;  flex-direction: row;  flex-direction: row-reverse;  flex-direction: column;  flex-direction: column-reverse;  **flex-wrap**  flex-wrap: nowrap;  flex-wrap: wrap;  flex-wrap: wrap-reverse;  **justify-content**  justify-content: flex-start;  justify-content: flex-end;  justify-content: center;  justify-content: space-between;  justify-content: space-around;  justify-content: space-evenly;  **align-items**  align-items: flex-start;  align-items: flex-end;  align-items: center;  align-items: baseline;  align-items: stretch;  align-content  align-content: flex-start;  align-content: flex-end;  align-content: center;  align-content: space-between;  align-content: space-around;  align-content: stretch; | **Example:**  <div class="row">  <div class="col"></div>  <div class="col"></div>  </div>  ====================================  .wrapper {  display: grid;  grid-gap: 10px;  grid-template-columns: 120px 120px 120px;  grid-template-areas:  "....... header header" "sidebar content content";  background-color: #fff;  color: #444;  }  .sidebar { grid-area: sidebar;}  .content {grid-area: content;}  .header {grid-area: header;}  <div class="wrapper">  <div class="box header">Header</div>  <div class="box sidebar">Sidebar</div>  <div class="box content">Content</div>  </div>  ===================================  align-items : {stretch| start| end| center}  align-self: {stretch| start| end| center}  justify-items : {stretch| start| end| center}  justify-self: {stretch| start| end| center}  align-content: start;  align-content: end;  align-content: center;  align-content: stretch;  align-content: space-around;  align-content: space-between;  align-content: space-evenly;  **children**  grid-column-start: 1;  grid-column-end: 3;  grid-column-start: span 3; | **Media Queries**  /\* Extra small devices (phones, 600px and down) \*/  @media only screen and (max-width: 600px) {...}  /\* Small devices (portrait tablets and large phones, 600px and up) \*/  @media only screen and (min-width: 600px) {...}  /\* Medium devices (landscape tablets, 768px and up) \*/  @media only screen and (min-width: 768px) {...}  /\* Large devices (laptops/desktops, 992px and up) \*/  @media only screen and (min-width: 992px) {...}  /\* Extra large devices (large laptops and desktops, 1200px and up) \*/  @media only screen and (min-width: 1200px) {...}  /\* CSS kicks in within the limits : 768px to 959px \*/  @media only screen and (min-width: 768px) and (max-width: 959px){….}  **position: fixed;**  top, right, bottom, left  **position: absolute**  top, right, bottom, left  **position: relative**  top, right, bottom, left  **position: sticky**  top, right, bottom, left  <ul class="nav justify-content-center">  <li class="nav-item">  <a class="nav-link active" href="#">Active</a>  </li>  <li class="nav-item">  <a class="nav-link" href="#">Link</a>  </li>  <li class="nav-item">  <a class="nav-link" href="#">Link</a>  </li>  <li class="nav-item">  <a class="nav-link disabled" href="#">Disabled</a>  </li>  </ul>  <div class="clearfix">  <img src="..." class="col-md-6 float-md-end mb-3 ms-md-3" alt="...">  <p>  A paragraph of placeholder text. We're using it here to show the use of the </p>  </div> |

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| **Utility: Text**  font-weight-bold  font-weight-bolder  font-weight-light  font-weight-lighter  font-weight-normal  text-decoration-none  font-italic  text-justify  text-lowercase  text-uppercase  text-capitalize  text-black-50  text-white-50  **Button Modifiers**  btn-lg  btn-sm  btn-block  **Images**  img-fluid  img-thumbnail  **Utility: Display**  d-\*-block  d-\*-flex  d-\*-inline  d-\*-inline-block  d-\*-inline-flex  d-\*-none  d-\*-table  d-\*-table-cell  d-print-...  **Utility: Positioning**  align-\*  clearfix  fixed-top  fixed-bottom  sticky-top  float-\*-left  float-\*-right  float-\*-none | **Utility: Display**  d-block  d-flex  d-inline  d-inline-block  d-inline-flex  d-none  d-table  **Grid**  container  container-fluid  row  col-# ( <576px)  col-sm-# ( ≥576px)  col-md-# ( ≥768px)  col-lg-# ( ≥992px)  col-xl-# ( ≥1200px)  col  col-\*  offset-\*-#  order-#  **Custom Forms**  custom-checkbox  custom-radio  custom-switch  custom-select  **Forms**  form-group  form-inline  form-control  form-control-lg  form-control-sm  form-control-filet  disabled items  readonly  **Utility: Sizing**  w-100  h-100  mw-100  mh-100 | **Forms**  form-group  form-inline  form using the grid  form-control  form-control-lg  form-control-sm  form-control-file  form-control-plaintext  form-control-range  form-check  form-check-inline  disabled items  readonly  **Utility: Flexbox**  flex-\*-column  flex-\*-column-reverse  flex-\*-row  flex-\*-row-reverse  flex-\*-nowrap  flex-\*-wrap  flex-\*-wrap-reverse  justify-content-\*-start  justify-content-\*-end  justify-content-\*-center  justify-content-\*-between  justify-content-\*-around  align-content-\*-start  align-content-\*-end  align-content-\*-center  align-content-\*-around  align-content-\*-stretch  align-items-\*-start  align-items-\*-end  align-items-\*-center  align-items-\*-baseline  align-items-\*-stretch  align-self-\*-start  align-self-\*-end  align-self-\*-center  align-self-\*-baseline  align-self-\*-stretch  order-\*-# | **Utility: Borders**  border  border-\*-0  border-primary  border-secondary  border-success  border-danger  border-warning  border-info  border-light  border-dark  border-white  rounded  rounded-sm  rounded-lg  rounded-circle  rounded-0  rounded-\*  **Utility: Colors**  bg-primary  bg-secondary  bg-success  bg-info  bg-warning  bg-danger  bg-light  bg-dark  bg-white  text-primary  text-secondary  text-success  text-info  text-warning  text-danger  text-light  text-dark  text-white | **Utility: Flexbox**  flex-\*-column  flex-\*-column-reverse  flex-\*-row  flex-\*-row-reverse  flex-\*-nowrap  flex-\*-wrap  flex-\*-wrap-reverse  justify-content-\*-start  justify-content-\*-end  justify-content-\*-center  justify-content-\*-between  justify-content-\*-around  align-content-\*-start  align-content-\*-end  align-content-\*-center  align-content-\*-around  align-content-\*-stretch  align-items-\*-start  align-items-\*-end  align-items-\*-center  align-items-\*-baseline  align-items-\*-stretch  align-self-\*-start  align-self-\*-end  align-self-\*-center  align-self-\*-baseline  align-self-\*-stretch  order-\*-#  **Utility: Spacing**  m-1 / m-\*-#  mt-1 / mt-\*-#  mr-1 / mr-\*-#  mb-1 / mb-\*-#  ml-1 / ml-\*-#  mx-1 / mx-\*-#  my-1 / my-\*-#  m-n1 / m-\*-n#  p-1 / p-\*-#  pt-1 / pt-\*-#  pr-1 / pr-\*-#  pb-1 / pb-\*-#  pl-1 / pl-\*-#  px-1 / px-\*-#  py-1 / py-\*-# | **Utility: Text**  font-weight-bold  font-weight-bolder  font-weight-light  font-weight-lighter  font-weight-normal  text-decoration-none  font-italic  text-monospace  text-justify  text-nowrap  text-\*-left  text-\*-right  text-\*-center  text-lowercase  **TABLES**  table  table-{color}  table-striped  table-hover  table-active  table-bordered  table-borderless  table-sm  caption-top  table-responsive  table-responsive-\* **Color:** .text-primary  .text-secondary  .text-success  .text-danger  .text-warning  .text-info  .text-light  .text-dark  .text-muted  .text-white |