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02. 핵심 CSS

- 1. CSS란?
- 2. CSS 속성들
- 3. 핵심 CSS 속성
- 4. 선택자 (selector)

- 5. 단축속성 (shorthand)
- 6. CSS Emmet
- 7. CSS 학습 팁



종속형 시트 또는 캐스케이딩 스타일 시트(Cascading Style Sheets, **CSS**)는 마크업 언어가 실제 표시되는 방법을 기술하는 스타일 언어(style sheet language)로^[1], HTML과 XHTML에 주로 쓰이며, XML에서도 사용할 수 있다. 기본 파일 명 W3C의 표준이며, 레이아웃과 스타일을 정의할 때의 자유도가 높다.

출처 : https://ko.wikipedia.org/wiki/CSS





HTML와 같이 CSS는 실제로 프로그래밍 언어는 아닙니다. 마크업(markup) 언어도 아닙니다. Style sheet 언어 입니다. HTML 문서에 있는 요소들에 선택적으로 스타일을 적용할 수 있다는 말입니다. 예를 들면, HTML 페이지에서 모든 문단 요소들을 선택하고

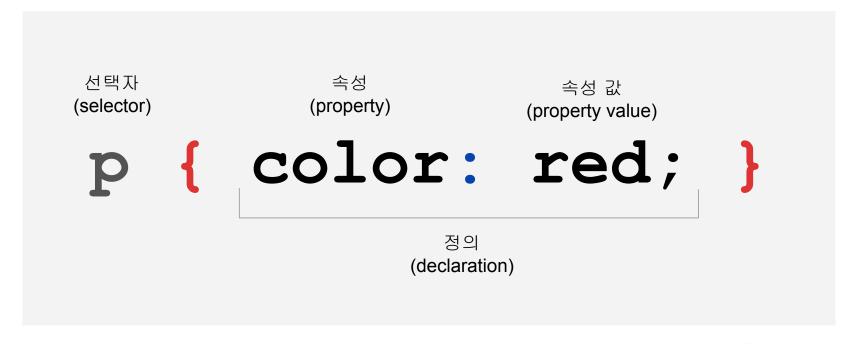
그 문단 요소들 안에 있는 텍스트를 빨갛게 바꾸려고 한다면 다음과 같이 CSS를

자서하 거이니다

```
p {
    color: red;
}
```

출처: https://developer.mozilla.org/ko/docs/Learn/Getting started with the web/CSS basics#그래서 css가 뭔가요





참고: https://developer.mozilla.org/ko/docs/Learn/Getting_started_with_the_web/CSS_basics#css의_ruleset_해부



align-content align-items align-self all animation animation-delay animation-direction animation-duration animation-fill-mode animation-iteration-count animation-name animation-play-state animation-timing-function backface-visibility background background-attachment background-blend-mode background-clip background-color background-image background-origin background-position background-repeat background-size border border-bottom border-bottom-color border-bottom-left-radius border-bottom-right-radius border-bottom-style border-bottom-width border-collapse border-color border-image border-image-outset border-image-repeat border-image-slice border-image-source border-image-width border-left border-left-color border-left-style border-left-width border-radius border-right border-right-color border-right-style border-right-width border-spacing border-style border-top border-top-color border-top-left-radius border-top-right-radius border-top-style border-top-width border-width bottom box-decoration-break box-shadow box-sizing break-after break-before break-inside caption-side caret-color @charset clear clip clip-path color column-count column-fill column-gap column-rule column-rule-color column-rule-style column-rule-width column-span column-width columns content counter-increment counter-reset cursor direction display empty-cells filter flex flex-basis flex-direction flex-flow flex-grow flex-shrink flex-wrap float font @font-face font-family font-feature-settings font-kerning font-size font-size-adjust font-stretch font-style font-variant font-variant-caps font-weight gap grid grid-area grid-auto-columns grid-auto-flow grid-auto-rows grid-column grid-column-end grid-column-gap grid-column-start grid-gap grid-row grid-row-end grid-row-gap grid-row-start grid-template grid-template-areas grid-template-columns grid-template-rows hanging-punctuation height hyphens @import isolation justify-content @keyframes left letter-spacing line-height list-style list-style-image list-style-position list-style-type margin margin-bottom margin-left margin-right margin-top max-height max-width @media min-height min-width mix-blend-mode object-fit object-position opacity order outline outline-color outline-offset outline-style outline-width overflow overflow-x overflow-y padding padding-bottom padding-left padding-right padding-top page-break-after page-break-before page-break-inside perspective perspective-origin pointer-events position quotes resize right row-gap scroll-behavior tab-size table-layout text-align text-align-last text-decoration text-decoration-color text-decoration-line text-decoration-style text-indent text-justify text-overflow text-shadow text-transform top transform transform-origin transform-style transition transition-delay transition-duration transition-property transition-timing-function unicode-bidi user-select vertical-align visibility white-space width word-break word-spacing word-wrap writing-mode z-index

출처: https://www.w3schools.com/css/default.asp

Chapter 02. CSS zero-base /



align-content align-items align-self all animation animation-delay animation-direction animation-duration animation-fill-mode animation-iteration-count animation-name animation-play-state animation-timing-function backface-visibility background background-attachment background-blend-mode background-clip background-color background-image background-origin background-position background-repeat background-size border-bottom border-bottom-color border-bott----le--radius border-bottom-right-radius border-bottom-style border-bottom-width border-collapse border-color border-bottom-style border-bottom-width border-collapse border-color border-bottom-width b border-image-repeat border-image-slice border-image-source border-image-width bord of the order-image-slice border-image-source border-image-width bord of the order-image-source border-image-source border-image-sourc border-left-width border-radius border-right border-right color border-right style border- ight vi th b rde border-top border-top-color border-top-left-radius border-top angle is alius to border-top-border-top-left-radius border-top angle is a lius top-wath border-width bottom box-decoration-break box-shadow box sizi g break- ifte break- bre clip-path color column-count o lumn-fi (co) m -gap co lim -rul (col) n -rule -style column-rule-style column-rule-width column-span column-wight anns co tem counter-more necessary counter-more set cursor direction display empty-cells filter flex flex-basis flex-direction w fle vol riev shring ex-wrat float the continuous nt continuous font-face font-family font-feature-settings font-kerning font-size font-size-adjust retufont yle frat-var ant font-variant-caps font-weight gap grid grid-area grid-auto-columns grid-auto-flow grid-auto-rows grid-column gl d-column-end grid-column-gap grid-column-start grid-gap grid-row grid-row-end grid-row-gap grid-row-start grid template grid-template-areas grid-template-columns grid-template-rows hanging-punctuation height hyphens @import isolation justify-content @keyframes left letter-spacing line-height list-style list-style-image list-style-position list-style-type margin margin-bottom margin-left margin-right margin-top max-height max-width @media min-height min-width mix-blend-mode object-fit object-position opacity order outline outline-color outline-offset outline-style outline-width overflow overflow-x overflow-y padding padding-bottom padding-left padding-right padding-top page-break-after page-break-before page-break-inside perspective perspective-origin pointer-events position quotes resize right row-gap scroll-behavior tab-size table-layout text-align text-align-last text-decoration text-decoration-color text-decoration-line text-decoration-style text-indent text-justify text-overflow text-shadow text-transform top transform transform-origin transform-style transition transition-delay transition-duration transition-property transition-timing-function unicode-bidi user-select vertical-align visibility white-space width word-break word-spacing word-wrap writing-mode z-index

출처: https://www.w3schools.com/css/default.asp

★ CSS 속성들 (주요 속성 골라내기)

align-content align-items align-self all animation animation-delay animation-direction animation-duration animation-fill-mode animation-iteration-count animation-name animation-play-state animation-timing-function backface-visibility background background-attachment background-blend-mode background-clip background-color background-image background-origin background-position background-repeat background-size border-bottom border-bottom-color border-bottom-left-radius border-bottom-right-radius border-bottom-style border-bottom-width border-collapse border-color border-image border-image-outset border-image-repeat border-image-slice border-image-source border-image-width border-left border-left-color border-left-style border-left-width border-radius border-right border-right-color border-right-style border-right-width border-spacing border-style border-top border-top-color border-top-left-radius border-top-right-radius border-top-style border-top-width border-width bottom box-decoration-break box-shadow box-sizing break-after break-before break-inside caption-side caret-color @charset clear clip clip-path color column-count column-fill column-gap column-rule column-rule-color column-rule-style column-rule-width column-span column-width columns content counter-increment counter-reset cursor direction display empty-cells filter flex flex-basis flex-direction flex-flow flex-grow flex-shrink flex-wrap float font @font-face font-family font-feature-settings font-kerning font-size font-size-adjust font-stretch font-style font-variant font-variant-caps font-weight gap grid grid-area grid-auto-columns grid-auto-flow grid-auto-rows grid-column grid-column-end grid-column-gap grid-column-start grid-gap grid-row grid-row-end grid-row-gap grid-row-start grid-template grid-template-areas grid-template-columns grid-template-rows hanging-punctuation height hyphens @import isolation justify-content @keyframes left letter-spacing line-height list-style list-style-image list-style-position list-style-type margin margin-bottom margin-left margin-right margin-top max-height max-width @media min-height min-width mix-blend-mode object-fit object-position opacity order outline outline-color outline-offset outline-style outline-width overflow overflow-x overflow-y padding padding-bottom padding-left padding-right padding-top page-break-after page-break-before page-break-inside perspective perspective-origin pointer-events position quotes resize right row-gap scroll-behavior tab-size table-layout text-align text-align-last text-decoration text-decoration-color text-decoration-line text-decoration-style text-indent text-justify text-overflow text-shadow text-transform top transform transform-origin transform-style transition transition-delay transition-duration transition-property transition-timing-function unicode-bidi user-select vertical-align visibility white-space width word-break word-spacing word-wrap writing-mode z-index

- **빨간색** : 핵심 **of** 핵심
- 검정색 : 자주 쓰이는 것
- 회색 : 파생 속성파란색 : flex 관련
- 연두색 : 자주 쓰이지 않는
- 보라색 : grid 관련

🖈 핵심 CSS 속성 맛보기 + 표기 Tip!

box-sizing: border-box

position: relative | absolute | fixed | sticky

display: flex | block | inline | inline-block | none

margin: 100px padding: 100px

width: 100px height: 100px

border: 1px solid #000

background: #fff font-size: 16px

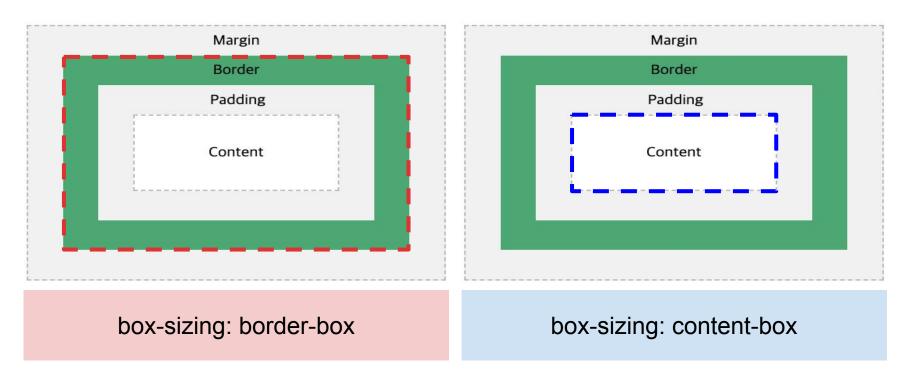
font-weight: 300(thin) | 400(normal) | 500(medium) | 700(bold) | 900 (extra bold)

color: #000

text-align: center | left | right **overflow**: auto | scroll | hidden

z-index: 1

CSS Box Model



출처 : https://www.w3schools.com/css/css_boxmodel.asp

★ 선택자 (Selector)

- 1. 기본 선택자
 - *(전체), div(요소), .(클래스), #(아이디), [attr](특성)
- 2. 그룹 선택자:,
- 3. 결합자
 - (자손결합자), > (자식 결합자), ~ (일반 형제 결합자), + (인접 형제 결합자)
- 4. 가상 클래스 선택자
 - :hover, :focus, :focus-visible, :active, :checked, :disabled, :not()
 - o :first-child, :last-child, :nth-child, :only-child
- 5. 가상 요소 선택자
 - ::before, ::after, ::placeholder

https://developer.mozilla.org/ko/docs/Web/CSS/CSS_Selectors

🖈 단축속성 (여백 속성)

바깥과 안쪽 여백의 단축 속성도 똑같이 동작합니다. 바깥 여백, margin 속성은 한 개, 두 개, 세 개, 네 개의 값을 사용해지정합니다. 아래 CSS 선언은...

```
margin-top: 10px;
margin-right: 5px;
margin-bottom: 10px;
margin-left: 5px;
```

다음의 네 값 구문 단축 속성을 사용한 선언과 같습니다. 방향이 시계 방향임을 기억하세요. 각 값은 위, 오른쪽, 아래, 왼쪽을 나타냅니다.

```
margin: 10px 5px 10px 5px;
```

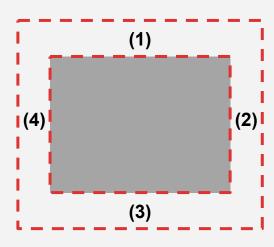
✔ 단축속성 (여백 속성)

• padding: 100px; (1-2-3-4)

• padding: 100px 80px; (1-3 / 2-4)

padding: 100px 80px 100px; (1, 2-4, 3)

padding: 100px 80px 100px 80px; (1, 2, 3, 4)



- **한 개의 값**은 모든 네 면의 여백을 설정합니다.
- 두 개의 값을 지정하면 첫 번째는 위와 아래,
 두 번째는 왼쪽과 오른쪽 여백을 설정합니다.
- 세 개의 값을 지정하면 첫 번째는 위,
 두 번째는 왼쪽과 오른쪽,
 세 번째 값은 아래 여백을 설정합니다.
- **네 개의 값**을 지정하면 각각 **상, 우, 하, 좌** 순서로 여백을 지정합니다. (시계방향)

✔ 단축속성 (글꼴 속성)

```
font-style: italic;
font-weight: bold;
font-size: .8em;
line-height: 1.2;
font-family: Arial, sans-serif;
```

다음처럼 단축할 수 있습니다.

```
font: italic bold .8em/1.2 Arial, sans-serif;
```

✔ 단축속성 (테두리 속성)

테두리의 너비, 색상, 스타일을 하나의 선언으로 단축할 수 있습니다. 즉 아래와 같은 CSS를...

```
border-width: 1px;
border-style: solid;
border-color: #000;
```

다음처럼 단축할 수 있습니다.

```
border: 1px solid #000;
```

🖈 단축속성 (배경 속성)

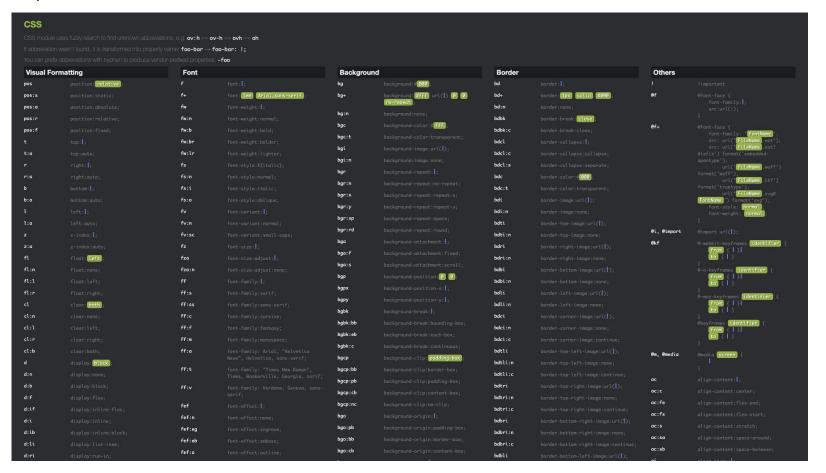
```
background-color: #000;
background-image: url(images/bg.gif);
background-repeat: no-repeat;
background-position: top right;
```

다음과 같이 선언 단 하나를 사용해서 단축할 수 있습니다.

```
background: #000 url(images/bg.gif) no-repeat top right;
```



https://docs.emmet.io/cheat-sheet/



zero-base/

CSS Emmet

많이 쓰는 Emmet 예제

•	mt10		margin-top: 10px;
•	pb10	→	padding-bottom: 10px;

- h100p height: 100%;
- bd → border: 1px solid #000;
- bgc
 background-color: #fff;
- fsz10 of font-size: 10px;
- c#dddcolor: #ddd;

🖈 CSS 학습 팁

- 1. 구글 신과 함께라면 모두 알아낼 수 있다.
- 2. 질문하기 전에 먼저 최대한 찾아보자.
- 3. 검색은 영문이 유리하다.
 - a. 영문 문서를 읽는 것을 두려워 하지 말자. (구글 번역 도움!)
- 4. 공식 문서나 튜토리얼 문서를 잘 확인하자.
 - a. https://developer.mozilla.org/ko/docs/Web/CSS
 - b. https://www.w3schools.com/css/default.asp
- 5. 배운 것을 기록해두자.
 - a. 나만의 예제코드 모음집을 만들자.



css *** mdn

