

Converting Colors

XYZ(35.7687, 51.7866, 48.5735)

Have a look what the booklet for
XYZ(35.7687, 51.7866, 48.5735)
contains.

XYZ(35.8215, 51.7850, 48.6650)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.8215, 51.7850,
48.6650)**

Conversions

Conversions Part 1

Format	Color
Hex	62D2AF
RGB	98, 210, 175
RGB Percent	38%, 82%, 69%
CMY	0.6157, 0.1765, 0.3137
CMYK	0.53, 0.00, 0.17, 0.18
HSL	161°, 55%, 60%
HSV	161°, 53%, 82%
XYZ	35.8215, 51.7850, 48.6650
YIQ	172.5220, -55.5170, -34.6290

Conversions

Conversions Part 2

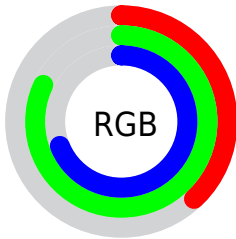
Format	Color
RYB	98, 164, 210
Decimal	6476463
CIELab	77.15, -40.35, 7.69
CIElCh	77, 41.080, 169.207
Yxy	51.7850, 0.2629, 0.3800
Android (android.graphics.Color)	4284666543 (0xFF62D2AF)
YUV	172.5220, 1.2217, -65.3558
Hunter-Lab	71.9618, -37.0785, 10.2777

Details

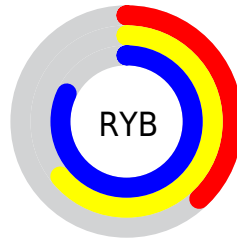
The XYZ color **35.8215, 51.7850, 48.6650** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.1814, 24.1319, 24.9960**, and the grayscale version is **39.4928, 41.5495, 45.2474**.

A 20% lighter version of the original color is **63.8941, 84.3574, 88.5163**, and **15.8616, 25.1641, 22.7600** is the 20% darker color. If you saturate the color by 10%, you get **33.2172, 50.5164, 45.2604**, and if you desaturate by 10%, it is **39.0544, 53.3766, 52.2648**.

Distribution



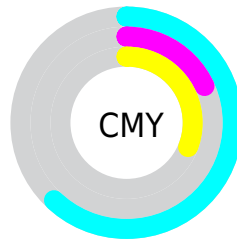
- Red (38%)
- Green (82%)
- Blue (69%)



- Red (38%)
- Yellow (64%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (17%)
- Black (18%)





- Cyan (62%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8215, 51.7850, 48.6650 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 35.8215, 51.7850, 48.6650 by changing the saturation by 10% instead.


 35.8215, 51.7850,
48.6650


 35.8215, 51.7850,
48.6650


319.6245,
393.6060, 398.0065


 24.4658, 36.8337,
33.9901


 68.0821, 92.8141,
89.5695


 15.8061, 25.0788,
22.6087


 89.7178, 119.6607,
116.6362

 9.4771, 16.1358,
14.1023


 115.5109,
151.2412, 148.6706

 5.1132, 9.6203,
8.0523

 145.8267,
187.9400, 186.0912

 2.3493, 5.1479,
4.0402

181.0306,
230.1415, 229.3165

 0.8197, 2.3343,
1.6474

221.4880,

 0.0000, 0.7918,

278.2301, 278.7652

0.3243

267.5642,
332.5901, 334.8556

■ 0.0000, 0.0000,
0.0000

■ 35.8215, 51.7850,
48.6650

■ 35.8215, 51.7850,
48.6650

■ 33.2172, 50.5164,
45.2604

■ 39.0544, 53.3766,
52.2648

■ 31.1891, 49.5400,
42.0429

■ 42.9543, 55.3072,
56.0606

■ 29.6834, 48.8294,
39.0088

■ 47.5618, 57.5987,
60.0575

■ 28.6335, 48.3503,
36.1526

■ 52.9126, 60.2697,
64.2593

■ 28.1102, 48.1200,
34.3422

■ 59.0402, 63.3373,
68.6699

■ 65.9760, 66.8177,
73.2926

■ 73.7494, 70.7260,
78.1310

■ 78.2225, 72.9290,
82.9933

■ 79.1486, 73.2994,
87.8701

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.6457, 51.7850, 32.5786



35.8215, 51.7850, 48.6650



36.2877, 51.7850, 71.8504

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.8215, 51.7850, 48.6650



54.3593, 51.7850, 107.9062



59.7645, 51.7850, 29.5627

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.8215, 51.7850, 48.6650



35.1814, 24.1319, 24.9960

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.9092, 51.7850, 43.3153



35.8215, 51.7850, 48.6650



61.5663, 51.7850, 89.6386

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.8215, 51.7850, 48.6650



46.4450, 51.7850, 110.4588



65.6016, 51.7850, 64.8812



52.1036, 51.7850, 23.6684

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.8215, 51.7850, 48.6650



38.4175, 51.7850, 88.3951



65.6016, 51.7850, 64.8812



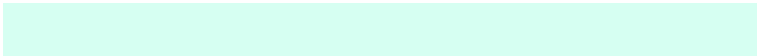
61.8788, 51.7850, 33.2190

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.8229, 51.7871, 48.6662



79.6145, 92.2721, 97.8150



34.9996, 52.0018, 19.7489



16.6651, 19.5624, 20.6444



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8229, 51.7871, 48.6662



51.0524, 78.1445, 69.5177



34.9697, 43.8481, 67.5955



11.9945, 13.3416, 14.3276



17.1932, 29.3702, 21.1955



0.9962, 1.6562, 1.3689

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.1814, 24.1319, 24.9960



49.9928, 30.8569, 29.2294



35.3260, 27.6678, 15.0348



11.9587, 11.8682, 13.0586



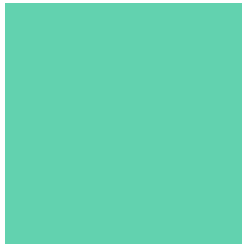
16.8458, 8.6111, 4.0940



0.9775, 0.4957, 0.4166

Previews

White Background



This preview shows how the XYZ color 35.8215, 51.7850, 48.6650 looks on a white background.

Color Contrast Check

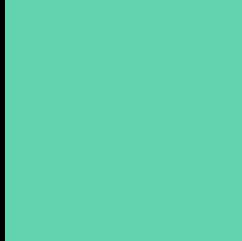
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.8215, 51.7850, 48.6650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

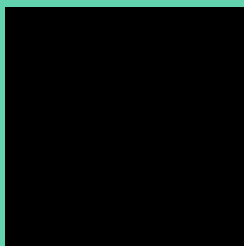
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

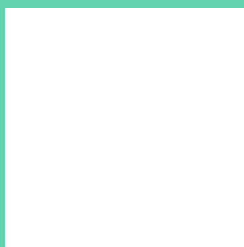
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8215, 51.7850, 48.6650

Background



This preview shows how black text looks on a background with the XYZ color 35.8215, 51.7850, 48.6650.

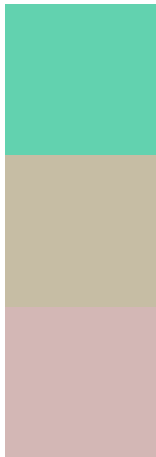


This preview shows how white text looks on a background with the XYZ color 35.8215, 51.7850,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

35.8215, 51.7850, 48.6650

Protanopia

48.1871, 51.0813, 42.4419

Deuteranopia

52.1379, 51.0521, 50.8221



Tritanopia

41.1932, 51.7978, 75.5370

Trichromacy



Original Color

35.8215, 51.7850, 48.6650



Protanomaly

41.9344, 50.4410, 44.5717



Deuteranomaly

43.7842, 49.9406, 49.9797



Tritanomaly

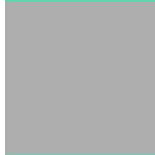
39.0338, 51.6280, 65.0347

Monochromacy



Original Color

35.8215, 51.7850, 48.6650



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.0529, 44.2848, 46.6393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8215, 51.7850, 48.6650 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(98, 210, 175)` looks like.

```
.text, #text, p{  
    color:rgb(98, 210, 175)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(98, 210, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 210, 175) }
```

Border

The CSS property to change the border of an element to XYZ 35.8215, 51.7850, 48.6650 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 210, 175) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(98, 210, 175) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(98, 210, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 210, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 210, 175);  
box-shadow:4px 4px 4px 4px rgb(98, 210,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8215, 51.7850, 48.6650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 210, 175) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(98, 210,  
175) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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