

Converting Colors

XYZ(35.8977, 48.4507, 55.6040)

Have a look what the booklet for
XYZ(35.8977, 48.4507, 55.6040)
contains.

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Color

**XYZ(35.8977, 48.4507,
55.6040)**

Conversions

Conversions Part 1

Format	Color
Hex	69C9BD
RGB	105, 201, 189
RGB Percent	41%, 79%, 74%
CMY	0.5882, 0.2118, 0.2588
CMYK	0.48, 0.00, 0.06, 0.21
HSL	172°, 47%, 60%
HSV	172°, 48%, 79%
XYZ	35.8977, 48.4507, 55.6040
YIQ	170.9280, -53.3640, -24.0840

Conversions

Conversions Part 2

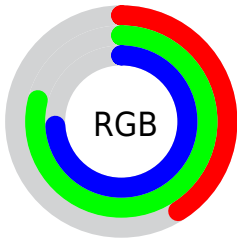
Format	Color
RYB	105, 156, 201
Decimal	6932925
CIELab	75.11, -31.29, -2.78
CIELCh	75, 31.411, 185.075
Yxy	48.4507, 0.2565, 0.3462
Android (android.graphics.Color)	4285123005 (0xFF69C9BD)
YUV	170.9280, 8.9095, -57.8189
Hunter-Lab	69.6065, -29.7549, 1.3618

Details

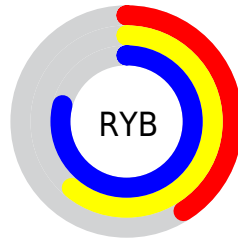
The XYZ color **35.8977, 48.4507, 55.6040** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.3516, 23.8065, 19.7215**, and the grayscale version is **38.6497, 40.6625, 44.2814**.

A 20% lighter version of the original color is **67.1417, 85.7940, 99.4073**, and **15.9598, 23.2029, 26.9300** is the 20% darker color. If you saturate the color by 10%, you get **33.5400, 47.2677, 54.0829**, and if you desaturate by 10%, it is **38.8209, 49.9270, 57.1784**.

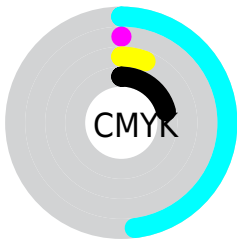
Distribution



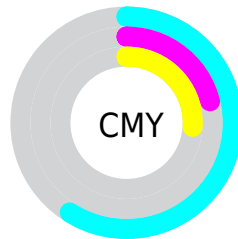
- Red (41%)
- Green (79%)
- Blue (74%)



- Red (41%)
- Yellow (61%)
- Blue (79%)



- Cyan (48%)
- Magenta (0%)
- Yellow (6%)
- Black (21%)




- Cyan (59%)
- Magenta (21%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8977, 48.4507, 55.6040 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 35.8977, 48.4507, 55.6040 by changing the saturation by 10% instead.


 35.8977, 48.4507,
55.6040


 35.8977, 48.4507,
55.6040


319.9522,
380.5758, 425.5437


 24.5249, 34.1839,
39.4837


 68.1990, 87.8751,
99.9054


 15.8503, 23.0349,
26.8255

 89.8583, 113.8015,
128.9234

 9.5085, 14.6193,
17.2109


 115.6772,
144.3832, 163.0779

 5.1340, 8.5526,
10.2214

 146.0210,
180.0047, 202.7871

 2.3617, 4.4506,
5.4385

181.2550,
221.0503, 248.4698

 0.8260, 1.9287,
2.4436

221.7446,

 0.0000, 0.5655,

267.9044, 300.5445

0.8100

267.8553,
320.9515, 359.4296

■ 0.0000, 0.0000,
0.0000

■ 35.8977, 48.4507,
55.6040

■ 35.8977, 48.4507,
55.6040

■ 33.5400, 47.2677,
54.0829

■ 38.8209, 49.9270,
57.1784

■ 31.7036, 46.3517,
52.6097

■ 42.3413, 51.7096,
58.8044

■ 30.3447, 45.6813,
51.1833

■ 46.4935, 53.8172,
60.4849


■ 29.4102, 45.2292,
49.8011

■ 51.3080, 56.2657,
62.2215


■ 28.8236, 44.9559,
48.4593


■ 56.8135, 59.0699,
64.0155

 28.7114, 44.9045,
48.1629

 63.0368, 62.2435,
65.8685

 70.0033, 65.7998,
67.7816

 73.6491, 67.6436,
69.5648

 73.9630, 67.7691,
71.2177

Harmonies

Analogous

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



36.7392, 48.4507, 40.5100



35.8977, 48.4507, 55.6040



37.5865, 48.4507, 73.1103

Triad

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



35.8977, 48.4507, 55.6040



52.6973, 48.4507, 83.1241



50.8665, 48.4507, 28.9449

Complementary

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



35.8977, 48.4507, 55.6040



32.3516, 23.8065, 19.7215

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.



55.6993, 48.4507, 36.5783



35.8977, 48.4507, 55.6040



56.8164, 48.4507, 67.2470

Square

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



35.8977, 48.4507, 55.6040



47.0354, 48.4507, 90.9731



57.9581, 48.4507, 50.0042



45.0803, 48.4507, 27.0935

Rectangle

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



35.8977, 48.4507, 55.6040



40.0100, 48.4507, 83.1887



57.9581, 48.4507, 50.0042



52.6713, 48.4507, 30.8287

Sweetspot

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



35.8991, 48.4526, 55.6051



82.4034, 93.5625, 104.6006



30.8821, 46.6328, 20.7391



17.2655, 19.8370, 22.2508



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.



35.8991, 48.4526, 55.6051



57.4079, 80.9170, 92.5819



29.9698, 34.4218, 60.3250



10.8874, 12.0439, 13.3574



18.0752, 28.2425, 30.4045



0.8723, 1.3439, 1.5262

Inverse Universe

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



32.3516, 23.8065, 19.7215



50.6628, 33.8903, 24.2320



36.0463, 32.2538, 17.6915



10.6869, 10.6582, 11.3347



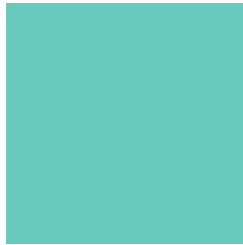
15.2751, 7.8596, 1.3928



0.7416, 0.3795, 0.1623

Previews

White Background



This preview shows how the XYZ color 35.8977, 48.4507, 55.6040 looks on a white background.

Color Contrast Check

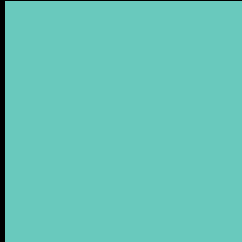
Large Text (above 18pt) WCAG AA × Fail

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 35.8977, 48.4507, 55.6040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

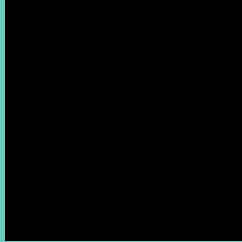
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8977, 48.4507, 55.6040

Background



This preview shows how black text looks on a background with the XYZ color 35.8977, 48.4507, 55.6040.

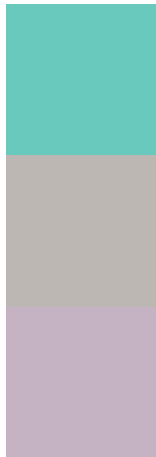


This preview shows how white text looks on a background with the XYZ color 35.8977, 48.4507,

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

35.8977, 48.4507, 55.6040

Protanopia

45.8092, 47.8130, 49.4623

Deuteranopia

48.6840, 47.6061, 57.6619



Tritanopia

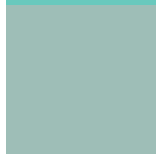
38.6586, 48.1813, 70.2132

Trichromacy



Original Color

35.8977, 48.4507, 55.6040



Protanomaly

41.0613, 47.5149, 51.8069



Deuteranomaly

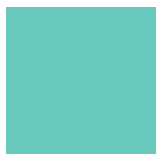
42.3832, 46.8161, 56.6717



Tritanomaly

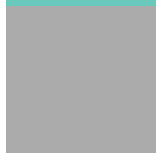
37.3998, 47.9990, 64.4203

Monochromacy



Original Color

35.8977, 48.4507, 55.6040



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.7965, 42.8733, 48.4555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8977, 48.4507, 55.6040 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(105, 201, 189)` looks like.

```
.text, #text, p{  
    color:rgb(105, 201, 189)  
}
```

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(105, 201, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 201, 189) }
```

Border

The CSS property to change the border of an element to XYZ 35.8977, 48.4507, 55.6040 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(105, 201, 189) }
```


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

```
.border{ border-color:rgb(105, 201, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 201, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 201, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 201, 189);  
box-shadow:4px 4px 4px 4px rgb(105, 201,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8977, 48.4507, 55.6040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 201, 189) }
```

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

```
.background{ background-color: rgb(105,  
201, 189) }
```

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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