

Converting Colors

XYZ(38.3703, 51.9710, 59.4394)

Have a look what the booklet for
XYZ(38.3703, 51.9710, 59.4394)
contains.

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Color

**XYZ(38.4696, 52.1777,
59.6735)**

Conversions

Conversions Part 1

Format	Color
Hex	6BD0C3
RGB	107, 208, 195
RGB Percent	42%, 82%, 76%
CMY	0.5804, 0.1843, 0.2353
CMYK	0.49, 0.00, 0.06, 0.18
HSL	172°, 52%, 62%
HSV	172°, 49%, 82%
XYZ	38.4696, 52.1777, 59.6735
YIQ	176.3190, -56.0230, -25.4550

Conversions

Conversions Part 2

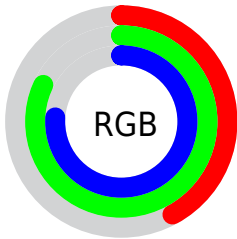
Format	Color
RYB	107, 161, 208
Decimal	7065795
CIELab	77.39, -32.68, -2.66
CIELCh	77, 32.785, 184.651
Yxy	52.1777, 0.2559, 0.3471
Android (android.graphics.Color)	4285255875 (0xFF6BD0C3)
YUV	176.3190, 9.2097, -60.7928
Hunter-Lab	72.2341, -31.3463, 1.5837

Details

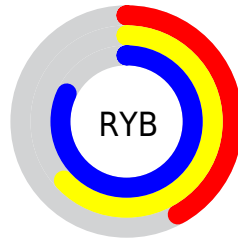
The XYZ color **38.4696, 52.1777, 59.6735** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.6620, 25.2828, 20.8243**, and the grayscale version is **41.4090, 43.5654, 47.4428**.

A 20% lighter version of the original color is **68.4824, 86.3775, 104.3299**, and **17.2811, 25.2634, 29.1648** is the 20% darker color. If you saturate the color by 10%, you get **35.9636, 50.9218, 57.9909**, and if you desaturate by 10%, it is **41.5855, 53.7500, 61.4153**.

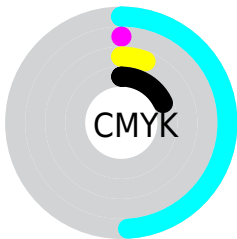
Distribution



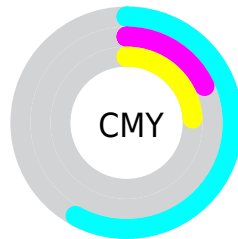
- Red (42%)
- Green (82%)
- Blue (76%)



- Red (42%)
- Yellow (63%)
- Blue (82%)



- Cyan (49%)
- Magenta (0%)
- Yellow (6%)
- Black (18%)





- Cyan (58%)
- Magenta (18%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4696, 52.1777, 59.6735 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 38.4696, 52.1777, 59.6735 by changing the saturation by 10% instead.


 38.4696, 52.1777,
59.6735


 38.4696, 52.1777,
59.6735


330.8763,
395.1222, 441.1644


 26.5262, 37.1467,
42.7319

 72.1266, 93.3933,
105.8946

 17.3525, 25.3211,
29.3450

 94.5710, 120.3466,
136.0113

 10.5830, 16.3165,
19.0941

 121.2464,
152.0429, 171.3567

 5.8524, 9.7484,
11.5608

152.5181,
188.8666, 212.3494

 2.7953, 5.2324,
6.3265

188.7517,
231.2019, 259.4081

 1.0465, 2.3843,
2.9726

230.3123,

 0.0000, 0.8178,

279.4334, 312.9511

1.0807

277.5654,
333.9454, 373.3970

■ 0.0000, 0.0000,
0.0000

■ 38.4696, 52.1777,
59.6735

■ 38.4696, 52.1777,
59.6735

■ 35.9636, 50.9218,
57.9909

■ 41.5855, 53.7500,
61.4153

■ 34.0191, 49.9534,
56.3616

■ 45.3462, 55.6528,
63.2146

■ 32.5878, 49.2489,
54.7844

■ 49.7896, 57.9068,
65.0745

■ 31.6110, 48.7782,
53.2564

■ 54.9489, 60.5294,
66.9967

■ 30.9979, 48.4943,
51.7731

■ 60.8556, 63.5365,
68.9828

■ 30.9205, 48.4590,
51.5619

■ 67.5389, 66.9434,
71.0343

■ 75.0267, 70.7644,
73.1526

■ 76.2462, 71.3533,
75.0069

■ 76.5962, 71.4933,
76.8500

Harmonies

Analogous

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



39.4287, 52.1777, 43.2126



38.4696, 52.1777, 59.6735



40.2781, 52.1777, 78.9170

Triad

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



38.4696, 52.1777, 59.6735



56.8071, 52.1777, 90.4098



54.9642, 52.1777, 30.8673

Complementary

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



38.4696, 52.1777, 59.6735



34.6620, 25.2828, 20.8243

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.



60.2444, 52.1777, 39.2770



38.4696, 52.1777, 59.6735



61.3700, 52.1777, 73.0031

Square

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



38.4696, 52.1777, 59.6735



50.5825, 52.1777, 98.8967



62.6780, 52.1777, 54.0447



48.6172, 52.1777, 28.7680

Rectangle

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



38.4696, 52.1777, 59.6735



42.9079, 52.1777, 90.0798



62.6780, 52.1777, 54.0447



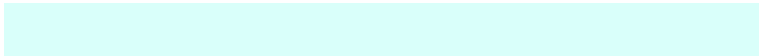
56.9395, 52.1777, 32.9474

Sweetspot

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



38.4711, 52.1797, 59.6747



81.5682, 93.1403, 104.1837



33.0219, 50.2019, 21.8605



17.0998, 19.7534, 22.1617



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.



38.4711, 52.1797, 59.6747



56.9700, 80.7058, 91.9018



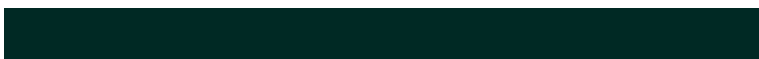
32.0068, 36.7949, 65.0920



12.0901, 13.3798, 14.8311



19.2959, 30.2113, 32.2678



1.0976, 1.6967, 1.9027

Inverse Universe

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



34.6620, 25.2828, 20.8243



50.2830, 33.3062, 23.5645



38.6464, 34.4298, 18.5197



11.8698, 11.8327, 12.5902



16.3540, 8.4144, 1.5045



0.9353, 0.4788, 0.1940

Previews

White Background



This preview shows how the XYZ color 38.4696, 52.1777, 59.6735 looks on a white background.

Color Contrast Check

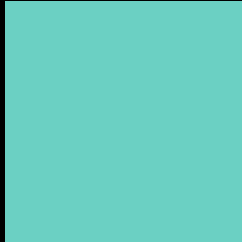
Large Text (above 18pt) WCAG AA × Fail

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 38.4696, 52.1777, 59.6735 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

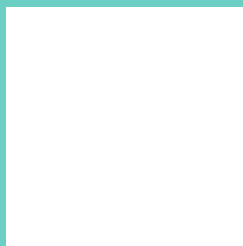
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4696, 52.1777, 59.6735

Background



This preview shows how black text looks on a background with the XYZ color 38.4696, 52.1777, 59.6735.

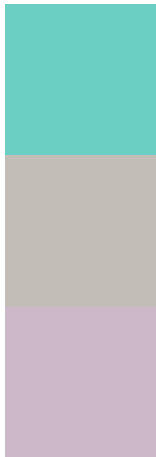


This preview shows how white text looks on a background with the XYZ color 38.4696, 52.1777,

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

38.4696, 52.1777, 59.6735

Protanopia

49.3550, 51.4580, 52.6785

Deuteranopia

52.4677, 51.2885, 61.7779



Tritanopia

41.7142, 52.0510, 76.2549

Trichromacy



Original Color

38.4696, 52.1777, 59.6735



Protanomaly

43.9213, 50.8972, 55.0862



Deuteranomaly

45.6252, 50.6522, 60.7982



Tritanomaly

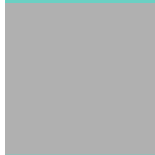
40.3971, 51.8609, 70.1684

Monochromacy



Original Color

38.4696, 52.1777, 59.6735



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.2930, 45.9646, 51.6009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4696, 52.1777, 59.6735 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(107, 208, 195)` looks like.

```
.text, #text, p{  
    color:rgb(107, 208, 195)  
}
```

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(107, 208, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 208, 195) }
```

Border

The CSS property to change the border of an element to XYZ 38.4696, 52.1777, 59.6735 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(107, 208, 195) }
```


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

```
.border{ border-color:rgb(107, 208, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 208, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 208, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 208, 195);  
box-shadow:4px 4px 4px 4px rgb(107, 208,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4696, 52.1777, 59.6735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 208, 195) }
```

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

```
.background{ background-color: rgb(107,  
208, 195) }
```

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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