

Converting Colors

XYZ(38.3989, 49.8903, 58.9042)

Have a look what the booklet for
XYZ(38.3989, 49.8903, 58.9042)
contains.

XYZ(38.4659, 50.0580, 58.6737)	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(38.4659, 50.0580,
58.6737)**

Conversions

Conversions Part 1

Format	Color
Hex	77CAC2
RGB	119, 202, 194
RGB Percent	47%, 79%, 76%
CMY	0.5333, 0.2078, 0.2392
CMYK	0.41, 0.00, 0.04, 0.21
HSL	174°, 44%, 63%
HSV	174°, 41%, 79%
XYZ	38.4659, 50.0580, 58.6737
YIQ	176.2710, -46.9000, -20.0840

Conversions

Conversions Part 2

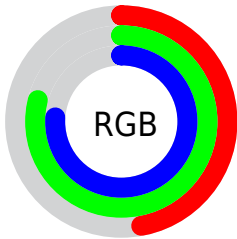
Format	Color
R_{YB}	119, 163, 202
Decimal	7850690
CIE _{Lab}	76.10, -27.16, -3.95
CIE _{LCh}	76, 27.448, 188.274
Yxy	50.0580, 0.2613, 0.3401
Android (android.graphics.Color)	4286040770 (0xFF77CAC2)
YUV	176.2710, 8.7404, -50.2267
Hunter-Lab	70.7517, -26.7695, 0.3575

Details

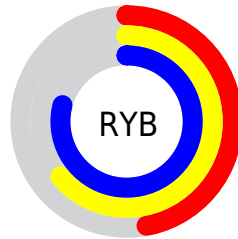
The XYZ color **38.4659, 50.0580, 58.6737** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.7865, 27.2840, 23.5135**, and the grayscale version is **41.3828, 43.5379, 47.4128**.

A 20% lighter version of the original color is **70.6945, 87.5361, 103.6126**, and **17.3734, 24.1300, 28.5528** is the 20% darker color. If you saturate the color by 10%, you get **35.7659, 48.6924, 57.4140**, and if you desaturate by 10%, it is **41.7609, 51.7324, 59.9784**.

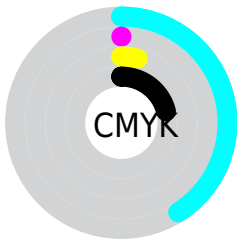
Distribution



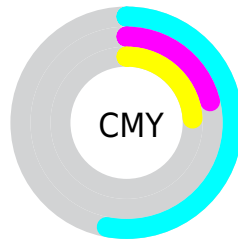
- Red (47%)
- Green (79%)
- Blue (76%)



- Red (47%)
- Yellow (64%)
- Blue (79%)



- Cyan (41%)
- Magenta (0%)
- Yellow (4%)
- Black (21%)





- Cyan (53%)
- Magenta (21%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4659, 50.0580, 58.6737 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 38.4659, 50.0580, 58.6737 by changing the saturation by 10% instead.


 38.4659, 50.0580,
58.6737


 38.4659, 50.0580,
58.6737

330.8608,
386.8927, 437.3598


 26.5233, 35.4595,
41.9322


 72.1210, 90.2608,
104.4277

 17.3503, 24.0170,
28.7230


 94.5642, 116.6339,
134.2774

 10.5814, 15.3463,
18.6276


 121.2384,
147.7006, 169.3334

 5.8513, 9.0628,
11.2274

152.5089,
183.8454, 210.0145

 2.7947, 4.7821,
6.1039

188.7410,
225.4526, 256.7392

 1.0461, 2.1200,
2.8386

230.3001,

 0.0000, 0.6758,

272.9066, 309.9259

1.0128

277.5516,
326.5918, 369.9933

■ 0.0000, 0.0000,
0.0000

■ 38.4659, 50.0580,
58.6737

■ 38.4659, 50.0580,
58.6737

■ 35.7659, 48.6924,
57.4140

■ 41.7609, 51.7324,
59.9784

■ 33.6188, 47.6103,
56.1940

■ 45.6808, 53.7275,
61.3263

■ 31.9840, 46.7920,
55.0128


■ 50.2589, 56.0614,
62.7200


■ 30.8136, 46.2128,
53.8681


■ 55.5247, 58.7496,
64.1611


■ 30.0502, 45.8431,
52.7573


■ 61.5060, 61.8063,
65.6509

 29.6195, 45.6420,
51.7914

 68.2289, 65.2450,
67.1906

 73.7015, 68.0387,
68.6870

 73.9421, 68.1350,
69.9540

 74.1857, 68.2324,
71.2365

Harmonies

Analogous

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



38.9875, 50.0580, 44.6979



38.4659, 50.0580, 58.6737



40.2443, 50.0580, 73.9520

Triad

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



38.4659, 50.0580, 58.6737



53.9568, 50.0580, 79.8390



51.3259, 50.0580, 32.2400

Complementary

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



38.4659, 50.0580, 58.6737



34.7865, 27.2840, 23.5135

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.



55.7540, 50.0580, 38.8058



38.4659, 50.0580, 58.6737



57.3473, 50.0580, 65.6501

Square

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



38.4659, 50.0580, 58.6737



49.0129, 50.0580, 87.5292



58.0276, 50.0580, 50.5379



46.1726, 50.0580, 31.0476

Rectangle

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



38.4659, 50.0580, 58.6737



42.5756, 50.0580, 82.2509



58.0276, 50.0580, 50.5379



52.9589, 50.0580, 33.8266

Sweetspot

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



38.4674, 50.0600, 58.6749



84.2032, 94.4627, 105.9320



33.2490, 48.1101, 24.9877



17.7927, 20.1015, 22.6062



0.0000, 0.0000, 0.0000



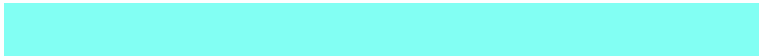
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4674, 50.0600, 58.6749



61.1442, 82.7380, 97.5046



32.4208, 36.4895, 61.2137



11.4948, 12.7077, 14.1632



19.0773, 29.3762, 33.4218



0.9980, 1.5210, 1.7972

Inverse Universe

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



34.7865, 27.2840, 23.5135



54.1190, 39.1945, 30.3421



38.9494, 36.4117, 22.4292



11.2555, 11.2309, 11.8803



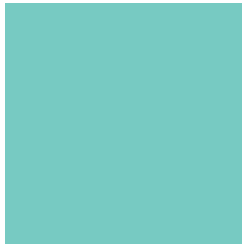
15.7669, 8.1173, 1.2252



0.8288, 0.4249, 0.1442

Previews

White Background



This preview shows how the XYZ color 38.4659, 50.0580, 58.6737 looks on a white background.

Color Contrast Check

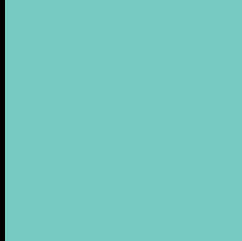
Large Text (above 18pt) WCAG AA × Fail

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 38.4659, 50.0580, 58.6737 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

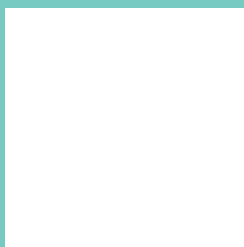
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4659, 50.0580, 58.6737

Background



This preview shows how black text looks on a background with the XYZ color 38.4659, 50.0580, 58.6737.

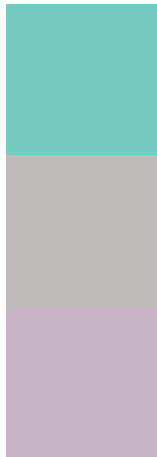


This preview shows how white text looks on a background with the XYZ color 38.4659, 50.0580,

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

38.4659, 50.0580, 58.6737

Protanopia

47.5511, 49.5677, 52.9603

Deuteranopia

50.2701, 49.2671, 60.2861



Tritanopia

41.1466, 50.1131, 71.7941

Trichromacy



Original Color

38.4659, 50.0580, 58.6737

Protanomaly

43.2366, 49.2226, 54.7991

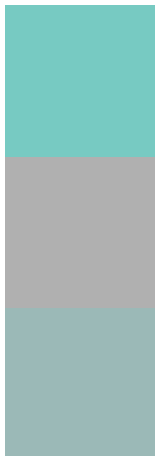
Deuteranomaly

44.8532, 48.9725, 59.9119

Tritanomaly

40.0851, 50.0245, 66.5745

Monochromacy



Original Color

38.4659, 50.0580, 58.6737

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.4138, 45.0854, 51.4248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4659, 50.0580, 58.6737 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(119, 202, 194)` looks like.

```
.text, #text, p{  
    color:rgb(119, 202, 194)  
}
```

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(119, 202, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 202, 194) }
```

Border

The CSS property to change the border of an element to XYZ 38.4659, 50.0580, 58.6737 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(119, 202, 194) }
```


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

```
.border{ border-color:rgb(119, 202, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 202, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 202, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 202, 194);  
box-shadow:4px 4px 4px 4px rgb(119, 202,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4659, 50.0580, 58.6737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 202, 194) }
```

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

```
.background{ background-color: rgb(119,  
202, 194) }
```

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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