

Converting Colors

XYZ(38.7490, 50.3680, 64.0580)

Have a look what the booklet for
XYZ(38.7490, 50.3680, 64.0580)
contains.

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Color

**XYZ(38.8175, 50.4684,
64.1954)**

Conversions

Conversions Part 1

Format	Color
Hex	70CBCB
RGB	112, 203, 203
RGB Percent	44%, 80%, 80%
CMY	0.5608, 0.2039, 0.2039
CMYK	0.45, 0.00, 0.00, 0.20
HSL	180°, 47%, 62%
HSV	180°, 45%, 80%
XYZ	38.8175, 50.4684, 64.1954
YIQ	175.7910, -54.2360, -19.2920

Conversions

Conversions Part 2

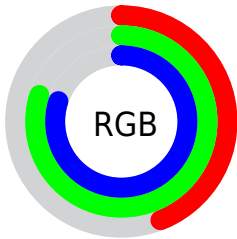
Format	Color
RYB	112, 158, 203
Decimal	7392203
CIELab	76.36, -27.12, -8.47
CIELCh	76, 28.412, 197.344
Yxy	50.4684, 0.2529, 0.3288
Android (android.graphics.Color)	4285582283 (0xFF70CBCB)
YUV	175.7910, 13.4140, -55.9447
Hunter-Lab	71.0411, -26.7880, -3.8479

Details

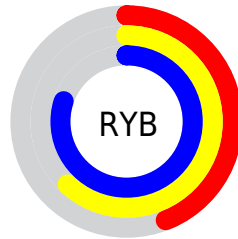
The XYZ color **38.8175, 50.4684, 64.1954** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.3491, 25.4562, 18.4868**, and the grayscale version is **41.1119, 43.2529, 47.1024**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **17.6405, 24.4217, 32.2179** is the 20% darker color. If you saturate the color by 10%, you get **36.5204, 49.2854, 64.0887**, and if you desaturate by 10%, it is **41.6998, 51.9555, 64.3317**.

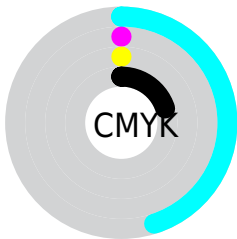
Distribution



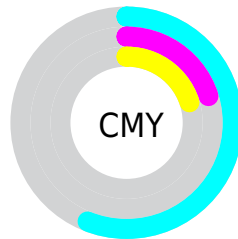
- Red (44%)
- Green (80%)
- Blue (80%)



- Red (44%)
- Yellow (62%)
- Blue (80%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (56%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8175, 50.4684, 64.1954 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 38.8175, 50.4684, 64.1954 by changing the saturation by 10% instead.

■ 38.8175, 50.4684,
64.1954

■ 38.8175, 50.4684,
64.1954

332.3345,
388.4949, 458.1217

■ 26.7979, 35.7857,
46.3618

■ 72.6553, 90.8685,
112.4945

■ 17.5573, 24.2687,
32.1807

■ 95.2042, 117.3547,
143.7970

■ 10.7304, 15.5331,
21.2336

■ 121.9935,
148.5442, 180.4262

■ 5.9518, 9.1944,
13.1019

153.3886,
184.8214, 222.8007

■ 2.8562, 4.8682,
7.3672

189.7550,
226.5706, 271.3389

■ 1.0782, 2.1701,
3.6109

231.4578,

■ 0.0067, 0.7036,

274.1764, 326.4595

1.4144

278.8625,
328.0230, 388.5809

■ 0.0000, 0.0000,
0.1529

■ 0.0000, 0.0000,
0.0000

■ 38.8175, 50.4684,
64.1954

■ 38.8175, 50.4684,
64.1954

■ 36.5204, 49.2854,
64.0887

■ 41.6998, 51.9555,
64.3317

■ 34.7645, 48.3802,
64.0063

■ 45.1989, 53.7593,
64.4957


■ 33.5067, 47.7318,
63.9471


■ 49.3491, 55.8988,
64.6902

■ 32.6953, 47.3135,
63.9089


■ 54.1813, 58.3899,
64.9167


 32.2677, 47.0931,
63.8886


 59.7242, 61.2473,
65.1763

 32.1361, 47.0252,
63.8823

 66.0047, 64.4851,
65.4705

 73.0488, 68.1164,
65.8005

 73.3768, 68.2855,
65.8161

 73.3769, 68.2856,
65.8164

Harmonies

Analogous

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



38.6289, 50.4684, 48.7556



38.8175, 50.4684, 64.1954



41.3403, 50.4684, 79.5477

Triad

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



38.8175, 50.4684, 64.1954



55.9258, 50.4684, 77.3899



50.2543, 50.4684, 30.9576

Complementary

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



38.8175, 50.4684, 64.1954



33.3491, 25.4562, 18.4868

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.



55.2702, 50.4684, 36.0330



38.8175, 50.4684, 64.1954



58.7042, 50.4684, 61.6513

Square

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



38.8175, 50.4684, 64.1954



51.0962, 50.4684, 88.0830



58.4557, 50.4684, 46.6405



44.9715, 50.4684, 31.3844

Rectangle

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



38.8175, 50.4684, 64.1954



44.1202, 50.4684, 86.8123



58.4557, 50.4684, 46.6405



52.0347, 50.4684, 32.0305

Sweetspot

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



38.8190, 50.4704, 64.1966



83.8882, 94.2459, 108.3770



31.1588, 47.4288, 22.8428



17.5930, 19.9856, 23.1801



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.



38.8190, 50.4704, 64.1966



61.1860, 82.5425, 107.3126



29.8641, 32.5602, 61.2128



11.5433, 12.7271, 14.4185



20.4505, 29.9255, 40.6528



1.0550, 1.5438, 2.0973

Inverse Universe

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



33.3491, 25.4562, 18.4868



50.8650, 35.3441, 21.0644



39.4407, 37.6395, 20.5168



11.2124, 11.2137, 11.6530



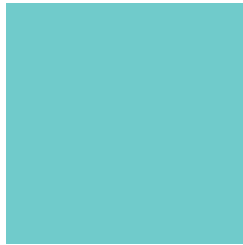
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 38.8175, 50.4684, 64.1954 looks on a white background.

Color Contrast Check

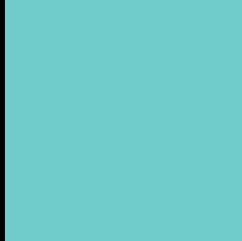
Large Text (above 18pt) WCAG AA × Fail

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 38.8175, 50.4684, 64.1954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

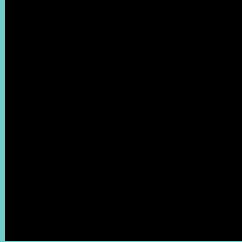
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8175, 50.4684, 64.1954

Background



This preview shows how black text looks on a background with the XYZ color 38.8175, 50.4684, 64.1954.

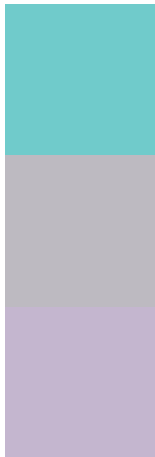


This preview shows how white text looks on a background with the XYZ color 38.8175, 50.4684,

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

38.8175, 50.4684, 64.1954

Protanopia

48.1708, 49.7869, 57.5230

Deuteranopia

50.7554, 49.6967, 65.9488



Tritanopia

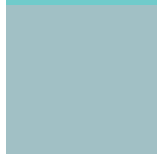
40.6135, 50.4960, 73.2518

Trichromacy



Original Color

38.8175, 50.4684, 64.1954



Protanomaly

43.6256, 49.3076, 60.0413



Deuteranomaly

45.0711, 49.2825, 65.5295



Tritanomaly

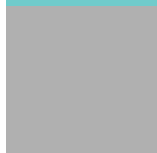
40.0744, 50.6394, 69.9496

Monochromacy



Original Color

38.8175, 50.4684, 64.1954



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.5587, 45.4353, 53.1393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8175, 50.4684, 64.1954 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(112, 203, 203)` looks like.

```
.text, #text, p{  
    color:rgb(112, 203, 203)  
}
```

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(112, 203, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 203, 203) }
```

Border

The CSS property to change the border of an element to XYZ 38.8175, 50.4684, 64.1954 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(112, 203, 203) }
```


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

```
.border{ border-color:rgb(112, 203, 203) }
```

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

Here you see how a box with a 4 pixel rgb(112, 203, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 203, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 203, 203);  
box-shadow:4px 4px 4px 4px rgb(112, 203,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8175, 50.4684, 64.1954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 203, 203) }
```

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

```
.background{ background-color: rgb(112,  
203, 203) }
```

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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