

Converting Colors

XYZ(38.8176, 50.8475, 63.0270)

Have a look what the booklet for
XYZ(38.8176, 50.8475, 63.0270)
contains.

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Color

**XYZ(38.8176, 50.8475,
63.0270)**

Conversions

Conversions Part 1

Format	Color
Hex	70CCC9
RGB	112, 204, 201
RGB Percent	44%, 80%, 79%
CMY	0.5608, 0.2000, 0.2118
CMYK	0.45, 0.00, 0.01, 0.20
HSL	178°, 47%, 62%
HSV	178°, 45%, 80%
XYZ	38.8176, 50.8475, 63.0270
YIQ	176.1500, -53.8690, -20.4370

Conversions

Conversions Part 2

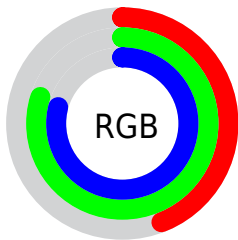
Format	Color
R _Y B	112, 159, 204
Decimal	7392457
CIE Lab	76.59, -28.11, -7.05
CIE LCh	77, 28.985, 194.075
Yxy	50.8475, 0.2542, 0.3330
Android (android.graphics.Color)	4285582537 (0xFF70CCC9)
YUV	176.1500, 12.2511, -56.2595
Hunter-Lab	71.3074, -27.6180, -2.4899

Details

The XYZ color **38.8176, 50.8475, 63.0270** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.7923, 25.6651, 19.3944**, and the grayscale version is **41.3046, 43.4557, 47.3232**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **17.4821, 24.3584, 31.3840** is the 20% darker color. If you saturate the color by 10%, you get **36.4325, 49.6282, 62.5086**, and if you desaturate by 10%, it is **41.7941, 52.3741, 63.5771**.

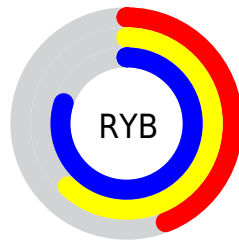
Distribution



Red (44%)

Green (80%)

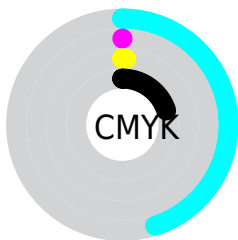
Blue (79%)



Red (44%)

Yellow (62%)

Blue (80%)

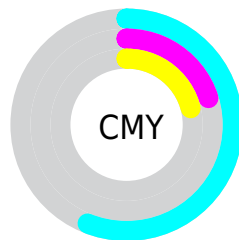


Cyan (45%)

Magenta (0%)

Yellow (1%)

Black (20%)



Cyan (56%)


Magenta (20%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8176, 50.8475, 63.0270 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 38.8176, 50.8475, 63.0270 by changing the saturation by 10% instead.

 38.8176, 50.8475,
63.0270


 38.8176, 50.8475,
63.0270


332.3349,
389.9710, 453.7781


 26.7979, 36.0873,
45.4219


 72.6554, 91.4293,
110.7944

 17.5573, 24.5016,
31.4445


 95.2043, 118.0197,
141.7938

 10.7304, 15.7061,
20.6763


 121.9937,
149.3222, 178.0951

 5.9518, 9.3164,
12.6986

153.3889,
185.7213, 220.1167

 2.8562, 4.9482,
7.0931

189.7553,
227.6013, 268.2773

 1.0782, 2.2169,
3.4411

231.4581,

 0.0067, 0.7292,

275.3467, 322.9954

1.3240

278.8629,
329.3418, 384.6895

■ 0.0000, 0.0000,
0.0813

■ 0.0000, 0.0000,
0.0000

■ 38.8176, 50.8475,
63.0270

■ 38.8176, 50.8475,
63.0270

■ 36.4325, 49.6282,
62.5086

■ 41.7941, 52.3741,
63.5771

■ 34.5940, 48.6894,
62.0164


■ 45.3939, 54.2207,
64.1571


■ 33.2583, 48.0098,
61.5495


■ 49.6520, 56.4067,
64.7696

■ 32.3731, 47.5623,
61.1054


■ 54.5996, 58.9481,
65.4162


 31.8742, 47.3140,
60.6812


 60.2657, 61.8599,
66.0981

 31.7115, 47.2345,
60.4777

 66.6778, 65.1562,
66.8168

 73.8620, 68.8505,
67.5734

 74.0140, 68.9195,
68.0027

 74.0952, 68.9520,
68.4305

Harmonies

Analogous

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



38.8937, 50.8475, 47.4950



38.8176, 50.8475, 63.0270



41.1517, 50.8475, 79.1031

Triad

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



38.8176, 50.8475, 63.0270



56.0301, 50.8475, 79.9797



51.2763, 50.8475, 31.1328

Complementary

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



38.8176, 50.8475, 63.0270



33.7923, 25.6651, 19.3944

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.



56.2959, 50.8475, 36.9245



38.8176, 50.8475, 63.0270



59.1788, 50.8475, 64.0580

Square

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



38.8176, 50.8475, 63.0270



50.9354, 50.8475, 90.0711



59.2796, 50.8475, 48.3493



45.8131, 50.8475, 30.9614

Rectangle

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



38.8176, 50.8475, 63.0270



43.8699, 50.8475, 87.1574



59.2796, 50.8475, 48.3493



53.0805, 50.8475, 32.4294

Sweetspot

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



38.8191, 50.8495, 63.0282



82.9268, 93.7718, 107.3566



31.5981, 48.0069, 22.9314



17.3945, 19.8886, 22.9300



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.



38.8191, 50.8495, 63.0282



60.4714, 82.2567, 103.5497



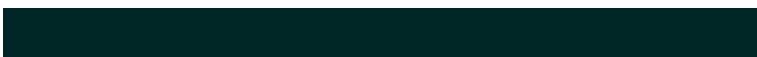
30.3393, 33.3192, 61.9611



11.5268, 12.7205, 14.3318



19.9659, 29.7317, 38.1011



1.0351, 1.5359, 1.9923

Inverse Universe

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



33.7923, 25.6651, 19.3944



51.1363, 35.4526, 22.4931



39.5385, 37.4296, 20.4712



11.2269, 11.2195, 11.7295



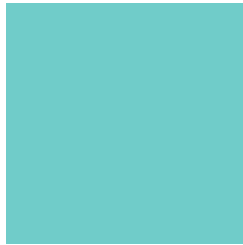
15.7032, 8.0919, 0.8895



0.8154, 0.4196, 0.0738

Previews

White Background



This preview shows how the XYZ color 38.8176, 50.8475, 63.0270 looks on a white background.

Color Contrast Check

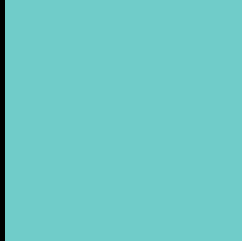
Large Text (above 18pt) WCAG AA × Fail

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 38.8176, 50.8475, 63.0270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

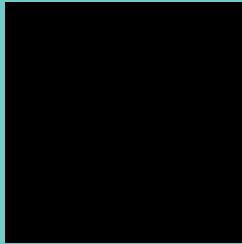
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8176, 50.8475, 63.0270

Background



This preview shows how black text looks on a background with the XYZ color 38.8176, 50.8475, 63.0270.

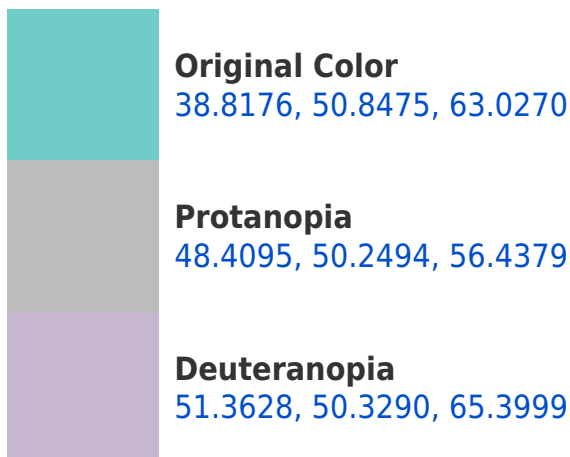


This preview shows how white text looks on a background with the XYZ color 38.8176, 50.8475,

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





Tritanopia

40.8777, 50.6172, 73.9453

Trichromacy



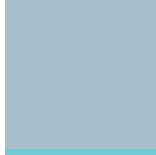
Original Color

38.8176, 50.8475, 63.0270



Protanomaly

43.8206, 49.7614, 58.9251



Deuteranomaly

45.4662, 49.8367, 64.3499



Tritanomaly

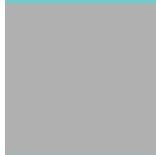
40.0744, 50.6394, 69.9496

Monochromacy



Original Color

38.8176, 50.8475, 63.0270



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.4527, 45.3929, 52.5813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8176, 50.8475, 63.0270 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, 204, 201)` looks like.

```
.text, #text, p{  
    color:rgb(112, 204, 201)  
}
```

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, 204, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 204, 201) }
```

Border

The CSS property to change the border of an element to XYZ 38.8176, 50.8475, 63.0270 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, 204, 201) }
```


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

```
.border{ border-color:rgb(112, 204, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 204, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 204, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 204, 201);  
box-shadow:4px 4px 4px 4px rgb(112, 204,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8176, 50.8475, 63.0270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 204, 201) }
```

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

```
.background{ background-color: rgb(112,  
204, 201) }
```

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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