

Converting Colors

XYZ(38.0631, 50.8480, 77.6206)

Have a look what the booklet for
XYZ(38.0631, 50.8480, 77.6206)
contains.

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Color

**XYZ(38.0631, 50.8480,
77.6206)**

Conversions

Conversions Part 1

Format	Color
Hex	48CEDF
RGB	72, 206, 223
RGB Percent	28%, 81%, 87%
CMY	0.7176, 0.1921, 0.1255
CMYK	0.68, 0.08, 0.00, 0.13
HSL	187°, 70%, 58%
HSV	187°, 68%, 87%
XYZ	38.0631, 50.8480, 77.6206
YIQ	167.8720, -85.3210, -23.1210

Conversions

Conversions Part 2

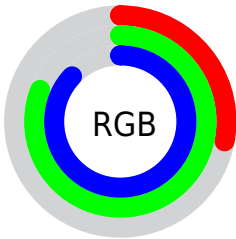
Format	Color
RYB	72, 143, 223
Decimal	4771551
CIELab	76.59, -30.54, -19.03
CIELCh	77, 35.980, 211.933
Yxy	50.8480, 0.2286, 0.3053
Android (android.graphics.Color)	4282961631 (0xFF48CEDF)
YUV	167.8720, 27.1781, -84.0797
Hunter-Lab	71.3078, -29.5078, -14.6234

Details

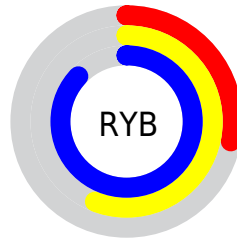
The XYZ color **38.0631, 50.8480, 77.6206** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.1750, 23.3024, 8.7765**, and the grayscale version is **37.0596, 38.9896, 42.4596**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **18.1345, 24.9604, 40.9078** is the 20% darker color. If you saturate the color by 10%, you get **36.0930, 48.9433, 77.3577**, and if you desaturate by 10%, it is **40.6487, 53.0864, 77.9173**.

Distribution



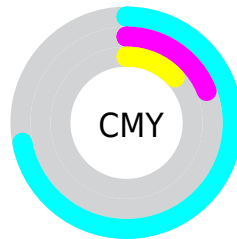
- Red (28%)
- Green (81%)
- Blue (87%)



- Red (28%)
- Yellow (56%)
- Blue (87%)



- Cyan (68%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)



- Cyan (72%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0631, 50.8480, 77.6206 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 38.0631, 50.8480, 77.6206 by changing the saturation by 10% instead.

■ 38.0631, 50.8480,
77.6206

■ 38.0631, 50.8480,
77.6206

■ 329.1668,
389.9729, 506.3711

■ 26.2091, 36.0877,
57.2478

■ 71.5081, 91.4301,
131.7961

■ 17.1136, 24.5019,
40.7935

■ 93.8298, 118.0205,
166.4359

■ 10.4114, 15.7063,
27.8393

■ 120.3715,
149.3232, 206.6685

■ 5.7369, 9.3166,
17.9666

■ 151.4985,
185.7224, 252.9123

■ 2.7249, 4.9483,
10.7568

■ 187.5762,
227.6026, 305.5859

■ 1.0100, 2.2169,
5.7914

■ 228.9699,

■ 0.0000, 0.7292,

275.3482, 365.1079

2.6519

276.0450,
329.3435, 431.8968

■ 0.0000, 0.0000,
0.9191

■ 0.0000, 0.0000,
0.0000

■ 38.0631, 50.8480,
77.6206

■ 38.0631, 50.8480,
77.6206

■ 36.0930, 48.9433,
77.3577

■ 40.6487, 53.0864,
77.9173

■ 34.6648, 47.3312,
77.1219

■ 43.9035, 55.6832,
78.2470

■ 33.6854, 45.9647,
76.9097

■ 47.8809, 58.6669,
78.6133

■ 33.4898, 45.6685,
76.8628

■ 52.6273, 62.0615,
79.0184

■ 58.1853, 65.8892,
79.4642

■ 64.5944, 70.1703,
79.9528

■ 71.8916, 74.9239,
80.4857

■ 80.1113, 80.1679,
81.0647

■ 82.4676, 82.4040,
81.3721

Harmonies

Analogous

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



36.4070, 50.8480, 56.6373



38.0631, 50.8480, 77.6206



42.4364, 50.8480, 95.4044

Triad

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



38.0631, 50.8480, 77.6206



60.8060, 50.8480, 74.9127



47.8899, 50.8480, 25.7451

Complementary

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



38.0631, 50.8480, 77.6206



35.1750, 23.3024, 8.7765

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.



54.7444, 50.8480, 28.4653



38.0631, 50.8480, 77.6206



62.6064, 50.8480, 54.1115

Square

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



38.0631, 50.8480, 77.6206



55.5785, 50.8480, 93.6007



60.2935, 50.8480, 37.8304



41.7399, 50.8480, 29.2835

Rectangle

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



38.0631, 50.8480, 77.6206



46.5183, 50.8480, 101.3180



60.2935, 50.8480, 37.8304



50.1871, 50.8480, 25.9552

Sweetspot

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



38.0647, 50.8499, 77.6218



76.9075, 87.9686, 107.5339



30.7860, 54.8441, 18.0036



15.9971, 18.5104, 22.9797



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.



38.0647, 50.8499, 77.6218



48.0756, 65.4301, 104.7032



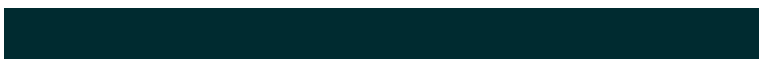
24.2992, 23.3189, 73.0333



13.9779, 15.2950, 17.6032



19.7438, 26.9571, 45.2110



1.4066, 1.9446, 3.1464

Inverse Universe

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



43.8908, 24.7806, 60.8642



56.8450, 29.2227, 78.7999



44.6290, 42.2105, 11.9278



14.2251, 13.9077, 16.9554



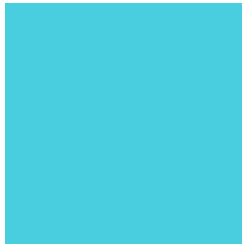
23.9059, 11.6294, 32.5001



1.6762, 0.8138, 2.3538

Previews

White Background



This preview shows how the XYZ color 38.0631, 50.8480, 77.6206 looks on a white background.

Color Contrast Check

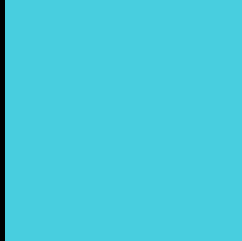
Large Text (above 18pt) WCAG AA × Fail

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 38.0631, 50.8480, 77.6206 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

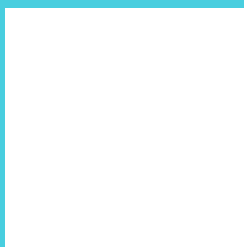
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0631, 50.8480, 77.6206

Background



This preview shows how black text looks on a background with the XYZ color 38.0631, 50.8480, 77.6206.



This preview shows how white text looks on a background with the XYZ color 38.0631, 50.8480,

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

38.0631, 50.8480, 77.6206

Protanopia

48.9589, 49.9613, 68.0359

Deuteranopia

51.3938, 50.3215, 80.4031



Tritanopia

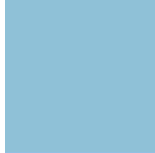
38.0631, 50.8480, 77.6206

Trichromacy



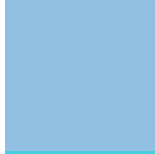
Original Color

38.0631, 50.8480, 77.6206



Protanomaly

42.6634, 48.8859, 71.4773



Deuteranomaly

44.2542, 49.2100, 79.1175



Tritanomaly

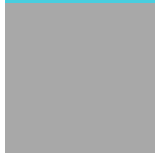
38.0631, 50.8480, 77.6206

Monochromacy



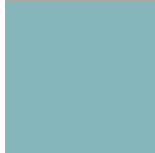
Original Color

38.0631, 50.8480, 77.6206



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.4779, 42.0733, 53.8280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0631, 50.8480, 77.6206 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(72, 206, 223)` looks like.

```
.text, #text, p{  
    color:rgb(72, 206, 223)  
}
```

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(72, 206, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 206, 223) }
```

Border

The CSS property to change the border of an element to XYZ 38.0631, 50.8480, 77.6206 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(72, 206, 223) }
```


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

```
.border{ border-color:rgb(72, 206, 223) }
```

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

Here you see how a box with a 4 pixel rgb(72, 206, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 206, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 206, 223);  
box-shadow:4px 4px 4px 4px rgb(72, 206,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0631, 50.8480, 77.6206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 206, 223) }
```

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

```
.background{ background-color: rgb(72, 206,  
223) }
```

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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