

Converting Colors

XYZ(38.9548, 48.3242, 76.2772)

Have a look what the booklet for
XYZ(38.9548, 48.3242, 76.2772)
contains.

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Color

**XYZ(38.8600, 48.1495,
76.3529)**

Conversions

Conversions Part 1

Format	Color
Hex	68C5DE
RGB	104, 197, 222
RGB Percent	41%, 77%, 87%
CMY	0.5921, 0.2274, 0.1294
CMYK	0.53, 0.11, 0.00, 0.13
HSL	193°, 64%, 64%
HSV	193°, 53%, 87%
XYZ	38.8600, 48.1495, 76.3529
YIQ	172.0430, -63.4530, -11.9410

Conversions

Conversions Part 2

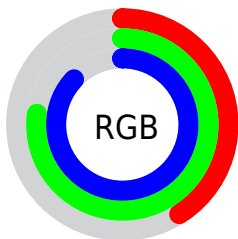
Format	Color
RYB	104, 156, 222
Decimal	6866398
CIELab	74.92, -20.79, -20.93
CIELCh	75, 29.501, 225.187
Yxy	48.1495, 0.2379, 0.2947
Android (android.graphics.Color)	4285056478 (0xFF68C5DE)
YUV	172.0430, 24.6288, -59.6737
Hunter-Lab	69.3898, -21.4679, -16.6667

Details

The XYZ color **38.8600, 48.1495, 76.3529** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **40.4743, 32.2309, 17.1862**, and the grayscale version is **39.1382, 41.1764, 44.8411**.

A 20% lighter version of the original color is **68.5961, 85.8902, 107.5708**, and **17.5968, 22.8470, 40.0417** is the 20% darker color. If you saturate the color by 10%, you get **35.5633, 44.8902, 75.8984**, and if you desaturate by 10%, it is **42.8712, 51.8287, 76.8525**.

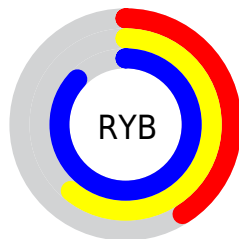
Distribution



Red (41%)

Green (77%)

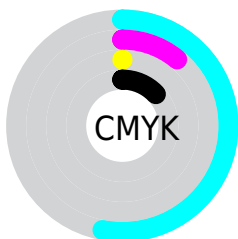
Blue (87%)



Red (41%)

Yellow (61%)

Blue (87%)

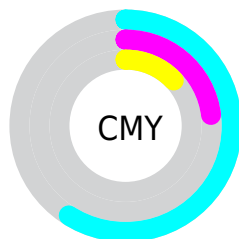


Cyan (53%)

Magenta (11%)

Yellow (0%)

Black (13%)



Cyan (59%)

Magenta (23%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8600, 48.1495, 76.3529 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 38.8600, 48.1495, 76.3529 by changing the saturation by 10% instead.

38.8600, 48.1495,
76.3529

38.8600, 48.1495,
76.3529

332.5123,
379.3844, 501.9338

26.8311, 33.9453,
56.2135

72.7198, 87.4270,
129.9903

17.5823, 22.8516,
39.9690

95.2815, 113.2690,
164.3254

10.7484, 14.4839,
27.2008

122.0847,
143.7591, 204.2295

5.9640, 8.4580,
17.4903

153.4949,
179.2817, 250.1211

2.8636, 4.3894,
10.4190

189.8774,
220.2211, 302.4188

1.0821, 1.8937,
5.5684

231.5975,

0.0100, 0.5446,

266.9617, 361.5412

2.5200

279.0207,
319.8881, 427.9067

■ 0.0000, 0.0000,
0.8507

■ 0.0000, 0.0000,
0.0000

■ 38.8600, 48.1495,
76.3529

■ 38.8600, 48.1495,
76.3529

■ 35.5633, 44.8902,
75.8984

■ 42.8712, 51.8287,
76.8525

■ 32.9219, 42.0167,
75.4830

■ 47.6413, 55.9479,
77.3962

■ 30.8741, 39.4979,
75.1048

■ 53.2162, 60.5324,
77.9873

■ 29.3436, 37.2938,
74.7600

■ 59.6367, 65.6035,
78.6277

■ 28.5089, 35.9218,
74.5392

■ 66.9409, 71.1815,
79.3194

■ 75.1644, 77.2849,
80.0640

■ 82.7012, 83.0863,
80.7866

■ 84.0272, 85.7385,
81.2286

■ 85.3889, 88.4618,
81.6825

Harmonies

Analogous

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



36.4974, 48.1495, 60.5692



38.8600, 48.1495, 76.3529



43.1728, 48.1495, 86.5645

Triad

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



38.8600, 48.1495, 76.3529



56.5013, 48.1495, 60.3643



43.1102, 48.1495, 28.7350

Complementary

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



38.8600, 48.1495, 76.3529



40.4743, 32.2309, 17.1862

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.



48.4583, 48.1495, 28.7015



38.8600, 48.1495, 76.3529



56.4812, 48.1495, 45.0486

Square

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



38.8600, 48.1495, 76.3529



53.4951, 48.1495, 76.1778



53.4423, 48.1495, 34.1072



38.8173, 48.1495, 34.2097

Rectangle

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



38.8600, 48.1495, 76.3529



46.7054, 48.1495, 87.7751



53.4423, 48.1495, 34.1072



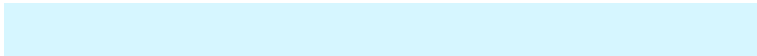
44.8367, 48.1495, 28.1281

Sweetspot

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



38.8615, 48.1513, 76.3540



78.9042, 87.6747, 107.3720



35.7015, 56.7347, 29.3552



16.4933, 18.4548, 22.9428



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.



38.8615, 48.1513, 76.3540



48.1486, 60.8948, 103.8239



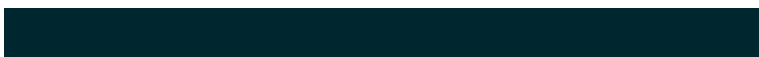
28.1858, 26.7999, 72.7955



13.8572, 15.0536, 17.5630



17.0170, 21.5035, 44.3021



1.2419, 1.6153, 3.0916

Inverse Universe

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



45.1539, 29.4629, 56.1322



58.0245, 34.0695, 71.5235



50.3097, 51.9016, 20.4646



14.1641, 13.8833, 16.6346



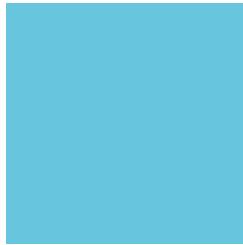
22.5296, 11.0788, 25.2523



1.5931, 0.7805, 1.9161

Previews

White Background



This preview shows how the XYZ color 38.8600, 48.1495, 76.3529 looks on a white background.

Color Contrast Check

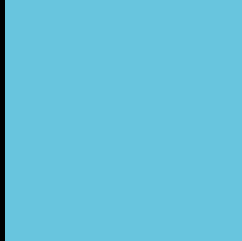
Large Text (above 18pt) WCAG AA × Fail

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 38.8600, 48.1495, 76.3529 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

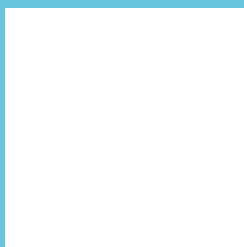
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8600, 48.1495, 76.3529

Background



This preview shows how black text looks on a background with the XYZ color 38.8600, 48.1495, 76.3529.



This preview shows how white text looks on a background with the XYZ color 38.8600, 48.1495,

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

38.8600, 48.1495, 76.3529

Protanopia

46.9717, 47.6743, 69.0137

Deuteranopia

48.8711, 47.8368, 78.6091



Tritanopia

37.6985, 48.0099, 70.8982

Trichromacy



Original Color

38.8600, 48.1495, 76.3529

Protanomaly

42.9275, 47.0778, 71.7902

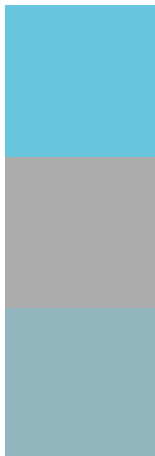
Deuteranomaly

44.0984, 47.2295, 78.0261

Tritanomaly

38.1980, 48.2227, 72.9403

Monochromacy



Original Color

38.8600, 48.1495, 76.3529

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.8508, 42.9685, 55.0140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8600, 48.1495, 76.3529 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(104, 197, 222)` looks like.

```
.text, #text, p{  
    color:rgb(104, 197, 222)  
}
```

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(104, 197, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 197, 222) }
```

Border

The CSS property to change the border of an element to XYZ 38.8600, 48.1495, 76.3529 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(104, 197, 222) }
```


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

```
.border{ border-color:rgb(104, 197, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 197, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 197, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 197, 222);  
box-shadow:4px 4px 4px 4px rgb(104, 197,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8600, 48.1495, 76.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 197, 222) }
```

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

```
.background{ background-color: rgb(104,  
197, 222) }
```

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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