

Converting Colors

XYZ(39.0378, 45.1644, 99.0458)

Have a look what the booklet for
XYZ(39.0378, 45.1644, 99.0458)
contains.

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Color

**XYZ(38.9102, 45.0432,
98.7389)**

Conversions

Conversions Part 1

Format	Color
Hex	4EBDFC
RGB	78, 189, 252
RGB Percent	31%, 74%, 99%
CMY	0.6941, 0.2588, 0.0118
CMYK	0.69, 0.25, 0.00, 0.01
HSL	202°, 97%, 65%
HSV	202°, 69%, 99%
XYZ	38.9102, 45.0432, 98.7389
YIQ	162.9930, -86.3790, -3.9390

Conversions

Conversions Part 2

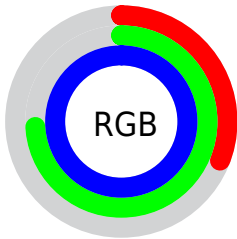
Format	Color
R _Y B	78, 146, 252
Decimal	5160444
CIE Lab	72.92, -12.02, -40.27
CIE LCh	73, 42.029, 253.386
Yxy	45.0432, 0.2130, 0.2466
Android (android.graphics.Color)	4283350524 (0xFF4EBDFC)
YUV	162.9930, 43.8805, -74.5389
Hunter-Lab	67.1142, -13.9626, -40.2479

Details

The XYZ color **38.9102, 45.0432, 98.7389** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **51.0472, 40.2985, 12.2978**, and the grayscale version is **34.6403, 36.4443, 39.6878**.

A 20% lighter version of the original color is **62.3795, 78.5446, 106.4806**, and **18.6545, 21.5484, 54.8058** is the 20% darker color. If you saturate the color by 10%, you get **35.3258, 40.3734, 98.0274**, and if you desaturate by 10%, it is **43.4118, 50.3707, 99.5308**.

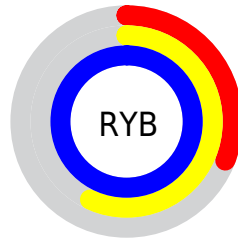
Distribution



Red (31%)

Green (74%)

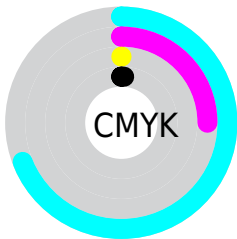
Blue (99%)



Red (31%)

Yellow (57%)

Blue (99%)

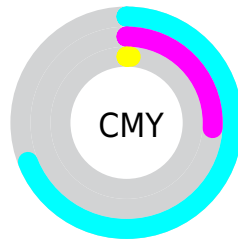


Cyan (69%)

Magenta (25%)

Yellow (0%)

Black (1%)



Cyan (69%)

Magenta (26%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9102, 45.0432, 98.7389 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 38.9102, 45.0432, 98.7389 by changing the saturation by 10% instead.

■ 38.9102, 45.0432,
98.7389

■ 38.9102, 45.0432,
98.7389

332.7223,
366.9485, 577.3540

■ 26.8703, 31.4915,
74.6368

■ 72.7961, 82.7852,
161.4598

■ 17.6119, 20.9734,
54.8154

■ 95.3727, 107.7443,
200.9156

■ 10.7697, 13.1045,
38.8564

■ 122.1923,
137.2746, 246.3264

■ 5.9784, 7.5006,
26.3410

■ 153.6203,
171.7606, 298.1107

■ 2.8725, 3.7771,
16.8509

190.0219,
211.5865, 356.6871

■ 1.0867, 1.5497,
9.9674

231.7625,

■ 0.0139, 0.3233,

257.1369, 422.4741

5.2720

279.2075,
308.7961, 495.8902

■ 0.0000, 0.0000,
2.3462

■ 0.0000, 0.0000,
0.7569

■ 38.9102, 45.0432,
98.7389

■ 38.9102, 45.0432,
98.7389

■ 35.3258, 40.3734,
98.0274

■ 43.4118, 50.3707,
99.5308

■ 32.5556, 36.3025,
97.3876

■ 48.9088, 56.3971,
100.4043

■ 30.4561, 32.7540,
96.8133

■ 55.4758, 63.1649,
101.3645

■ 30.2731, 32.4329,
96.7610

■ 63.1785, 70.7111,
102.4151

■ 72.0770, 79.0695,
103.5595

■ 82.2270, 88.2720,
104.8008

■ 93.6804, 98.3481,
106.1420

■ 94.5709, 99.8083,
106.3769

Harmonies

Analogous

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



33.3708, 45.0432, 82.2963



38.9102, 45.0432, 98.7389



46.1563, 45.0432, 99.6795

Triad

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



38.9102, 45.0432, 98.7389



58.0272, 45.0432, 40.2864



33.8482, 45.0432, 25.1831

Complementary

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



38.9102, 45.0432, 98.7389



51.0472, 40.2985, 12.2978

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.



39.6337, 45.0432, 19.3394



38.9102, 45.0432, 98.7389



53.8850, 45.0432, 26.2275

Square

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



38.9102, 45.0432, 98.7389



57.7761, 45.0432, 61.5049



46.9667, 45.0432, 19.6573



30.6847, 45.0432, 38.3919

Rectangle

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



38.9102, 45.0432, 98.7389



51.0394, 45.0432, 91.0215



46.9667, 45.0432, 19.6573



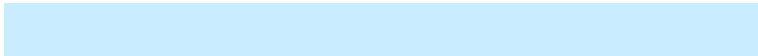
35.5204, 45.0432, 22.4860

Sweetspot

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



38.9118, 45.0448, 98.7400



72.1420, 79.4668, 106.1441



42.6070, 73.1031, 36.2554



14.8886, 16.4931, 22.6487



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.



38.9118, 45.0448, 98.7400



35.0542, 39.7275, 100.4284



25.6750, 18.5713, 94.3278



17.2064, 18.4896, 22.0473



15.9144, 17.1844, 50.4517



1.5746, 1.7928, 4.7062

Inverse Universe

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



52.0560, 29.8203, 51.1577



50.1893, 26.2424, 44.7320



68.6907, 75.5856, 18.1789



17.7107, 17.4116, 20.3324



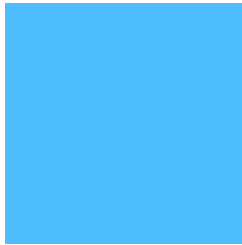
24.3249, 12.1457, 18.9512



2.3037, 1.1452, 2.0226

Previews

White Background



This preview shows how the XYZ color 38.9102, 45.0432, 98.7389 looks on a white background.

Color Contrast Check

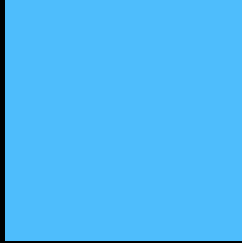
Large Text (above 18pt) WCAG AA × Fail

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 38.9102, 45.0432, 98.7389 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

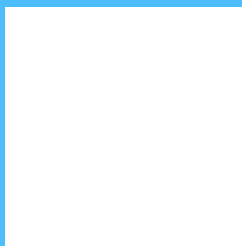
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9102, 45.0432, 98.7389

Background



This preview shows how black text looks on a background with the XYZ color 38.9102, 45.0432, 98.7389.

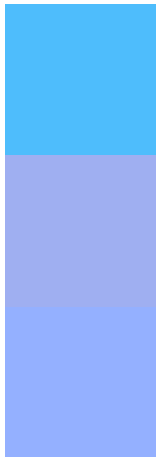


This preview shows how white text looks on a background with the XYZ color 38.9102, 45.0432,

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

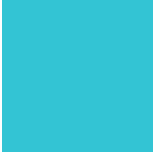
38.9102, 45.0432, 98.7389

Protanopia

45.5052, 44.3817, 89.3872

Deuteranopia

45.7881, 44.5666, 100.7967



Tritanopia

32.9888, 44.9371, 69.2224

Trichromacy



Original Color

38.9102, 45.0432, 98.7389

Protanomaly

42.0086, 43.9809, 92.6613

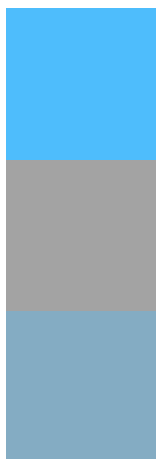
Deuteranomaly

42.5816, 44.4145, 100.0945

Tritanomaly

34.8596, 44.6781, 79.4595

Monochromacy



Original Color

38.9102, 45.0432, 98.7389

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.1186, 38.3507, 57.2339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9102, 45.0432, 98.7389 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(78, 189, 252)` looks like.

```
.text, #text, p{  
    color:rgb(78, 189, 252)  
}
```

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(78, 189, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 189, 252) }
```

Border

The CSS property to change the border of an element to XYZ 38.9102, 45.0432, 98.7389 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(78, 189, 252) }
```


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

```
.border{ border-color:rgb(78, 189, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 189, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 189, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 189, 252);  
box-shadow:4px 4px 4px 4px rgb(78, 189,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9102, 45.0432, 98.7389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 189, 252) }
```

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

```
.background{ background-color: rgb(78, 189,  
252) }
```

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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