

Converting Colors

XYZ(38.2251, 45.0985, 97.7077)

Have a look what the booklet for
XYZ(38.2251, 45.0985, 97.7077)
contains.

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Color

**XYZ(38.2099, 45.0209,
97.9428)**

Conversions

Conversions Part 1

Format	Color
Hex	44BEFB
RGB	68, 190, 251
RGB Percent	27%, 75%, 98%
CMY	0.7333, 0.2549, 0.0157
CMYK	0.73, 0.24, 0.00, 0.02
HSL	200°, 96%, 63%
HSV	200°, 73%, 98%
XYZ	38.2099, 45.0209, 97.9428
YIQ	160.4760, -92.2930, -6.8930

Conversions

Conversions Part 2

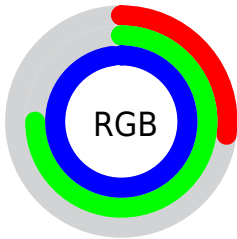
Format	Color
R _Y B	68, 141, 251
Decimal	4505339
CIE Lab	72.91, -14.19, -39.78
CIE LCh	73, 42.235, 250.361
Yxy	45.0209, 0.2109, 0.2485
Android (android.graphics.Color)	4282695419 (0xFF44BEFB)
YUV	160.4760, 44.6283, -81.1015
Hunter-Lab	67.0976, -15.7709, -39.5776

Details

The XYZ color **38.2099, 45.0209, 97.9428** 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 **48.6795, 36.6303, 9.9754**, and the grayscale version is **33.4663, 35.2091, 38.3428**.

A 20% lighter version of the original color is **61.4870, 78.5348, 106.5258**, and **18.6833, 21.7864, 54.2594** is the 20% darker color. If you saturate the color by 10%, you get **35.0587, 40.7836, 97.2919**, and if you desaturate by 10%, it is **42.2170, 49.8554, 98.6657**.

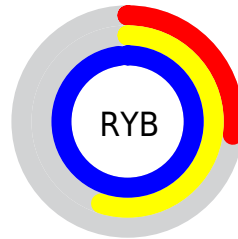
Distribution



Red (27%)

Green (75%)

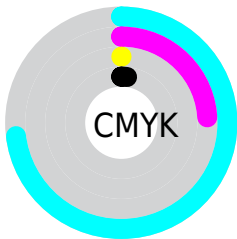
Blue (98%)



Red (27%)

Yellow (55%)

Blue (98%)

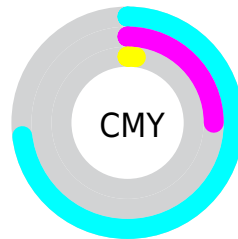


Cyan (73%)

Magenta (24%)

Yellow (0%)

Black (2%)



Cyan (73%)

Magenta (25%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2099, 45.0209, 97.9428 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 38.2099, 45.0209, 97.9428 by changing the saturation by 10% instead.

■ 38.2099, 45.0209,
97.9428

■ 38.2099, 45.0209,
97.9428

329.7848,
366.8582, 574.7670

■ 26.3236, 31.4739,
73.9763

■ 71.7316, 82.7518,
160.3544

■ 17.1998, 20.9600,
54.2780

■ 94.0976, 107.7044,
199.6365

■ 10.4733, 13.0947,
38.4293

■ 120.6877,
137.2277, 244.8610

■ 5.7785, 7.4938,
26.0116

■ 151.8671,
171.7061, 296.4464

■ 2.7502, 3.7728,
16.6065

188.0011,
211.5240, 354.8111

■ 1.0231, 1.5473,
9.7953

229.4552,

■ 0.0000, 0.3217,

257.0657, 420.3737

5.1596

276.5946,
308.7156, 493.5529

■ 0.0000, 0.0000,
2.2809

■ 0.0000, 0.0000,
0.7205

■ 38.2099, 45.0209,
97.9428

■ 38.2099, 45.0209,
97.9428

■ 35.0587, 40.7836,
97.2919

■ 42.2170, 49.8554,
98.6657

■ 32.6538, 37.0821,
96.7042

■ 47.1619, 55.3296,
99.4617

■ 31.2922, 34.7239,
96.3208

■ 53.1214, 61.4863,
100.3359

■ 60.1628, 68.3624,
101.2920

■ 68.3469, 75.9919,
102.3333

■ 77.7301, 84.4059,
103.4628

■ 88.3648, 93.6337,
104.6835

■ 94.4128, 99.7451,
105.5443

Harmonies

Analogous

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



32.8904, 45.0209, 80.2217



38.2099, 45.0209, 97.9428



45.3864, 45.0209, 100.6584

Triad

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



38.2099, 45.0209, 97.9428



58.2720, 45.0209, 42.0876



34.2669, 45.0209, 24.1736

Complementary

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



38.2099, 45.0209, 97.9428



48.6795, 36.6303, 9.9754

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.



40.2965, 45.0209, 18.9884



38.2099, 45.0209, 97.9428



54.5024, 45.0209, 27.1831

Square

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



38.2099, 45.0209, 97.9428



57.5474, 45.0209, 63.9383



47.7244, 45.0209, 19.9041



30.8010, 45.0209, 36.6241

Rectangle

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



38.2099, 45.0209, 97.9428



50.3481, 45.0209, 92.9536



47.7244, 45.0209, 19.9041



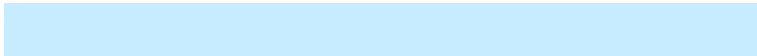
36.0307, 45.0209, 21.7109

Sweetspot

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



38.2115, 45.0225, 97.9439



71.6584, 79.5118, 106.1783



40.8453, 71.8096, 32.4797



14.8129, 16.5383, 22.6614



0.0000, 0.0000, 0.0000



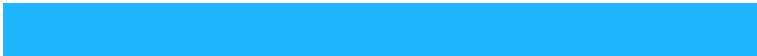
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.2115, 45.0225, 97.9439



35.2155, 40.6128, 100.5907



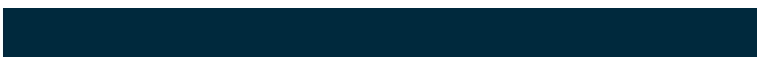
24.2131, 17.0256, 93.2778



17.2499, 18.5766, 22.0618



16.5878, 18.5311, 50.6761



1.6337, 1.9111, 4.7260

Inverse Universe

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



51.1464, 28.3630, 51.4955



50.1334, 25.6942, 46.0586



66.5532, 72.3777, 15.9334



17.7327, 17.4204, 20.4479



24.6648, 12.2816, 20.7409



2.3335, 1.1572, 2.1799

Previews

White Background



This preview shows how the XYZ color 38.2099, 45.0209, 97.9428 looks on a white background.

Color Contrast Check

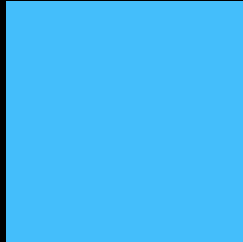
Large Text (above 18pt) WCAG AA × Fail

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 38.2099, 45.0209, 97.9428 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

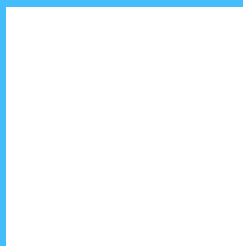
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2099, 45.0209, 97.9428

Background



This preview shows how black text looks on a background with the XYZ color 38.2099, 45.0209, 97.9428.



This preview shows how white text looks on a background with the XYZ color 38.2099, 45.0209,

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

38.2099, 45.0209, 97.9428

Protanopia

45.3562, 44.3221, 88.6026

Deuteranopia

45.6275, 44.5023, 99.9509



Tritanopia

32.6362, 45.0767, 69.9314

Trichromacy



Original Color

38.2099, 45.0209, 97.9428

Protanomaly

41.2546, 43.6098, 91.8311

Deuteranomaly

41.8612, 44.0615, 99.2269

Tritanomaly

34.2836, 44.7105, 79.4961

Monochromacy



Original Color

38.2099, 45.0209, 97.9428

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.9409, 37.4881, 55.9518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2099, 45.0209, 97.9428 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(68, 190, 251)` looks like.

```
.text, #text, p{  
    color:rgb(68, 190, 251)  
}
```

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(68, 190, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 190, 251) }
```

Border

The CSS property to change the border of an element to XYZ 38.2099, 45.0209, 97.9428 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(68, 190, 251) }
```


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

```
.border{ border-color:rgb(68, 190, 251) }
```

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

Here you see how a box with a 4 pixel rgb(68, 190, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 190, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 190, 251);  
box-shadow:4px 4px 4px 4px rgb(68, 190,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2099, 45.0209, 97.9428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 190, 251) }
```

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

```
.background{ background-color: rgb(68, 190,  
251) }
```

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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