

Converting Colors

XYZ(38.4307, 44.6906, 89.0387)

Have a look what the booklet for
XYZ(38.4307, 44.6906, 89.0387)
contains.

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Color

**XYZ(38.4307, 44.6906,
89.0387)**

Conversions

Conversions Part 1

Format	Color
Hex	5FBCF0
RGB	95, 188, 240
RGB Percent	37%, 74%, 94%
CMY	0.6274, 0.2627, 0.0588
CMYK	0.60, 0.22, 0.00, 0.06
HSL	202°, 83%, 66%
HSV	202°, 60%, 94%
XYZ	38.4307, 44.6906, 89.0387
YIQ	166.1210, -72.1200, -3.5440

Conversions

Conversions Part 2

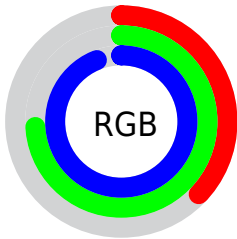
Format	Color
R _{YB}	95, 152, 240
Decimal	6274288
CIE Lab	72.69, -12.55, -34.12
CIE LCh	73, 36.350, 249.810
Yxy	44.6906, 0.2232, 0.2596
Android (android.graphics.Color)	4284464368 (0xFF5FBCF0)
YUV	166.1210, 36.4223, -62.3731
Hunter-Lab	66.8510, -14.3749, -32.1725

Details

The XYZ color **38.4307, 44.6906, 89.0387** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **48.4361, 40.2211, 16.0389**, and the grayscale version is **36.1600, 38.0432, 41.4290**.

A 20% lighter version of the original color is **64.1110, 78.9893, 106.4752**, and **17.3783, 20.8209, 48.4503** is the 20% darker color. If you saturate the color by 10%, you get **34.5269, 40.0302, 88.3458**, and if you desaturate by 10%, it is **43.2149, 49.9693, 89.8063**.

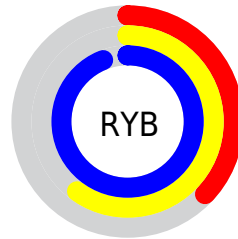
Distribution



Red (37%)

Green (74%)

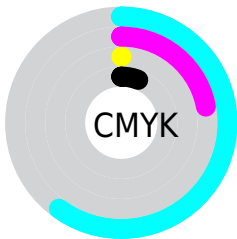
Blue (94%)



Red (37%)

Yellow (60%)

Blue (94%)

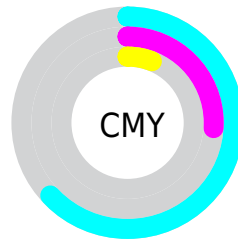


Cyan (60%)

Magenta (22%)

Yellow (0%)

Black (6%)



Cyan (63%)

Magenta (26%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4307, 44.6906, 89.0387 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 38.4307, 44.6906, 89.0387 by changing the saturation by 10% instead.

■ 38.4307, 44.6906,
89.0387

■ 38.4307, 44.6906,
89.0387

330.7130,
365.5190, 545.3880

■ 26.4959, 31.2138,
66.6144

■ 72.0675, 82.2559,
147.9262

■ 17.3296, 20.7617,
48.3117

■ 94.5001, 107.1132,
185.2265

■ 10.5665, 12.9499,
33.7121

■ 121.1627,
136.5328, 228.3226

■ 5.8413, 7.3941,
22.3969

■ 152.4207,
170.8991, 277.6329

■ 2.7886, 3.7098,
13.9477

188.6393,
210.5965, 333.5761

■ 1.0430, 1.5126,
7.9460

230.1840,

■ 0.0000, 0.2975,

256.0093, 396.5706

3.9731

277.4201,
307.5221, 467.0351

■ 0.0000, 0.0000,
1.6106

■ 0.0000, 0.0000,
0.2984

■ 38.4307, 44.6906,
89.0387

■ 38.4307, 44.6906,
89.0387

■ 34.5269, 40.0302,
88.3458

■ 43.2149, 49.9693,
89.8063

■ 31.4240, 35.9418,
87.7202

■ 48.9406, 55.8981,
90.6489

■ 29.0342, 32.3782,
87.1583

■ 55.6684, 62.5117,
91.5709

■ 27.2725, 29.3796,
86.6723

■ 63.4521, 69.8405,
92.5752

■ 72.3416, 77.9127,
93.6648

■ 82.3834, 86.7549,
94.8422

■ 90.6133, 94.8413,
95.9693

■ 92.7283, 99.0713,
96.6743

Harmonies

Analogous

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



33.8322, 44.6906, 74.4321



38.4307, 44.6906, 89.0387



44.5753, 44.6906, 91.4919

Triad

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



38.4307, 44.6906, 89.0387



55.5710, 44.6906, 42.9840



35.1818, 44.6906, 26.5742

Complementary

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



38.4307, 44.6906, 89.0387



48.4361, 40.2211, 16.0389

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.



40.4458, 44.6906, 21.8495



38.4307, 44.6906, 89.0387



52.4818, 44.6906, 29.6521

Square

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



38.4307, 44.6906, 89.0387



54.8950, 44.6906, 61.6473



46.7980, 44.6906, 22.8163



32.0891, 44.6906, 37.6390

Rectangle

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



38.4307, 44.6906, 89.0387



48.7901, 44.6906, 85.4097



46.7980, 44.6906, 22.8163



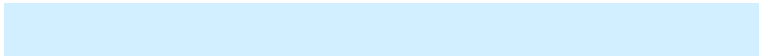
36.7335, 44.6906, 24.3332

Sweetspot

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



38.4322, 44.6922, 89.0398



75.1045, 82.2534, 106.5258



41.0498, 66.8218, 37.8288



15.4711, 17.0489, 22.7253



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.



38.4322, 44.6922, 89.0398



38.9092, 45.0372, 101.2501



26.7814, 21.3906, 85.1562



15.7429, 16.9198, 20.1577



15.0596, 16.3435, 47.4888



1.3466, 1.5471, 3.9819

Inverse Universe

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



49.1058, 30.3422, 50.8469



52.7210, 29.4984, 51.1482



63.1383, 69.6255, 20.9396



16.1996, 15.9296, 18.6076



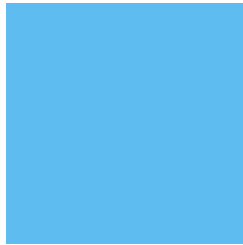
22.9270, 11.4432, 18.0641



1.9546, 0.9709, 1.7519

Previews

White Background



This preview shows how the XYZ color 38.4307, 44.6906, 89.0387 looks on a white background.

Color Contrast Check

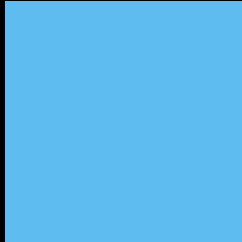
Large Text (above 18pt) WCAG AA × Fail

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 38.4307, 44.6906, 89.0387 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

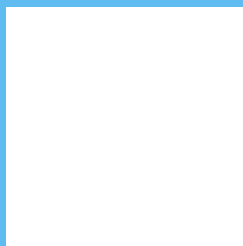
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4307, 44.6906, 89.0387

Background



This preview shows how black text looks on a background with the XYZ color 38.4307, 44.6906, 89.0387.

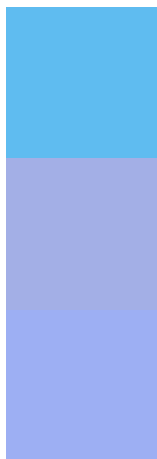


This preview shows how white text looks on a background with the XYZ color 38.4307, 44.6906,

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

38.4307, 44.6906, 89.0387

Protanopia

44.7172, 44.1596, 81.0297

Deuteranopia

45.4123, 44.2991, 90.9511



Tritanopia

34.1937, 44.9364, 67.1930

Trichromacy



Original Color

38.4307, 44.6906, 89.0387

Protanomaly

41.6538, 43.9863, 84.1367

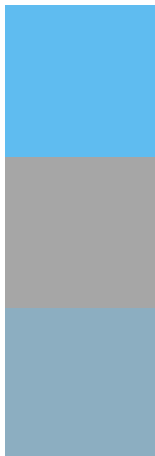
Deuteranomaly

42.1798, 44.1217, 90.2976

Tritanomaly

35.6057, 44.8450, 74.4895

Monochromacy



Original Color

38.4307, 44.6906, 89.0387

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.5769, 39.6978, 56.2394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4307, 44.6906, 89.0387 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(95, 188, 240)` looks like.

```
.text, #text, p{  
    color:rgb(95, 188, 240)  
}
```

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(95, 188, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 188, 240) }
```

Border

The CSS property to change the border of an element to XYZ 38.4307, 44.6906, 89.0387 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(95, 188, 240) }
```


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

```
.border{ border-color:rgb(95, 188, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 188, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 188, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 188, 240);  
box-shadow:4px 4px 4px 4px rgb(95, 188,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4307, 44.6906, 89.0387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 188, 240) }
```

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

```
.background{ background-color: rgb(95, 188,  
240) }
```

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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