

Converting Colors

XYZ(38.8406, 44.3733, 84.3597)

Have a look what the booklet for
XYZ(38.8406, 44.3733, 84.3597)
contains.

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Color

**XYZ(38.8406, 44.3733,
84.3597)**

Conversions

Conversions Part 1

Format	Color
Hex	6EBAEA
RGB	110, 186, 234
RGB Percent	43%, 73%, 92%
CMY	0.5686, 0.2706, 0.0823
CMYK	0.53, 0.21, 0.00, 0.08
HSL	203°, 75%, 67%
HSV	203°, 53%, 92%
XYZ	38.8406, 44.3733, 84.3597
YIQ	168.7480, -60.7040, -1.1840

Conversions

Conversions Part 2

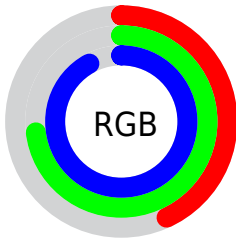
Format	Color
RYB	110, 157, 234
Decimal	7256810
CIELab	72.48, -10.33, -31.14
CIELCh	72, 32.812, 251.652
Yxy	44.3733, 0.2318, 0.2648
Android (android.graphics.Color)	4285446890 (0xFF6EBAEA)
YUV	168.7480, 32.1692, -51.5220
Hunter-Lab	66.6133, -12.4942, -28.4561

Details

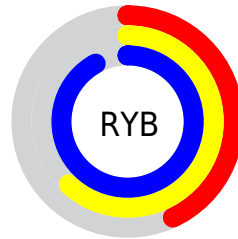
The XYZ color **38.8406, 44.3733, 84.3597** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.9745, 43.0738, 20.4864**, and the grayscale version is **37.4567, 39.4074, 42.9146**.

A 20% lighter version of the original color is **65.9506, 79.0491, 106.3898**, and **17.5501, 20.5703, 45.1649** is the 20% darker color. If you saturate the color by 10%, you get **34.4564, 39.3703, 83.6259**, and if you desaturate by 10%, it is **44.1173, 50.0178, 85.1719**.

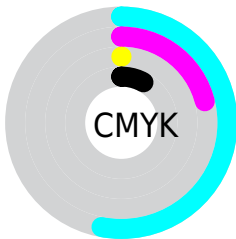
Distribution



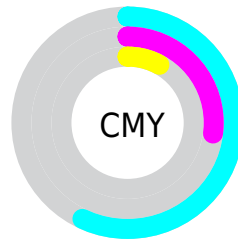
- Red (43%)
- Green (73%)
- Blue (92%)



- Red (43%)
- Yellow (62%)
- Blue (92%)



- Cyan (53%)
- Magenta (21%)
- Yellow (0%)
- Black (8%)



- Cyan (57%)
- Magenta (27%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8406, 44.3733, 84.3597 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 38.8406, 44.3733, 84.3597 by changing the saturation by 10% instead.

■ 38.8406, 44.3733,
84.3597

■ 38.8406, 44.3733,
84.3597

332.4312,
364.2294, 529.5962

■ 26.8159, 30.9641,
62.7654

■ 72.6904, 81.7792,
141.3444

■ 17.5709, 20.5715,
45.2116

■ 95.2462, 106.5446,
177.5719

■ 10.7402, 12.8112,
31.2800

■ 122.0431,
135.8643, 219.5142

■ 5.9584, 7.2986,
20.5519

153.4464,
170.1225, 267.5898

■ 2.8602, 3.6496,
12.6088

189.8215,
209.7038, 322.2172

■ 1.0803, 1.4795,
7.0322

231.5338,

■ 0.0085, 0.2743,

254.9924, 383.8151

3.4035

278.9485,
306.3728, 452.8019

■ 0.0000, 0.0000,
1.3042

■ 0.0000, 0.0000,
0.0652

■ 38.8406, 44.3733,
84.3597

■ 38.8406, 44.3733,
84.3597

■ 34.4564, 39.3703,
83.6259

■ 44.1173, 50.0178,
85.1719

■ 30.8962, 34.9675,
82.9637

■ 50.3395, 56.3316,
86.0627

■ 28.0876, 31.1251,
82.3701

■ 57.5608, 63.3464,
87.0360

■ 25.9418, 27.7937,
81.8402

■ 65.8294, 71.0901,
88.0949

■ 24.7370, 25.7117,
81.5018

■ 75.1902, 79.5888,
89.2420

■ 85.6854, 88.8672,
90.4797

■ 90.0940, 95.2056,
91.4708

■ 91.8514, 98.7206,
92.0566

Harmonies

Analogous

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



34.5531, 44.3733, 72.1385



38.8406, 44.3733, 84.3597



44.4125, 44.3733, 85.7338

Triad

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



38.8406, 44.3733, 84.3597



53.7609, 44.3733, 42.2880



35.3464, 44.3733, 28.5630

Complementary

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



38.8406, 44.3733, 84.3597



48.9745, 43.0738, 20.4864

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.



40.0149, 44.3733, 23.7612



38.8406, 44.3733, 84.3597



50.8437, 44.3733, 30.4156

Square

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



38.8406, 44.3733, 84.3597



53.3750, 44.3733, 58.8088



45.6960, 44.3733, 24.3533



32.6636, 44.3733, 39.1502

Rectangle

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



38.8406, 44.3733, 84.3597



48.1498, 44.3733, 80.0106



45.6960, 44.3733, 24.3533



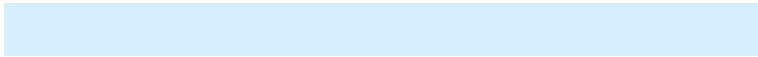
36.7170, 44.3733, 26.3382

Sweetspot

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



38.8421, 44.3749, 84.3608



76.7669, 83.4002, 106.6595



41.9861, 64.6144, 42.3983



15.9814, 17.4310, 22.7722



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.



38.8421, 44.3749, 84.3608



41.2550, 47.1077, 101.5261



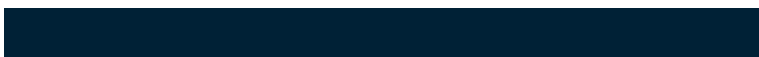
28.5496, 23.7899, 80.9299



14.9997, 16.0859, 19.2366



14.0263, 14.6997, 45.8410



1.1942, 1.3399, 3.6306

Inverse Universe

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



48.3719, 32.1911, 50.1199



54.5449, 32.6777, 53.2004



62.2182, 69.5612, 24.9010



15.4534, 15.2092, 17.6730



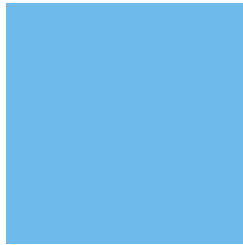
21.9351, 10.9767, 15.9916



1.7693, 0.8807, 1.5025

Previews

White Background



This preview shows how the XYZ color 38.8406, 44.3733, 84.3597 looks on a white background.

Color Contrast Check

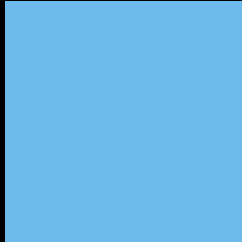
Large Text (above 18pt) WCAG AA × Fail

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 38.8406, 44.3733, 84.3597 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 38.8406, 44.3733, 84.3597

Background



This preview shows how black text looks on a background with the XYZ color 38.8406, 44.3733, 84.3597.



This preview shows how white text looks on a background with the XYZ color 38.8406, 44.3733,

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

38.8406, 44.3733, 84.3597

Protanopia

44.3673, 44.0434, 78.1143

Deuteranopia

45.1201, 43.9636, 86.2285



Tritanopia

35.0269, 44.4272, 65.1217

Trichromacy



Original Color

38.8406, 44.3733, 84.3597

Protanomaly

41.7646, 43.8266, 80.3869

Deuteranomaly

42.2160, 43.6477, 85.5567

Tritanomaly

36.3012, 44.2961, 71.6025

Monochromacy



Original Color

38.8406, 44.3733, 84.3597

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.1684, 40.8061, 56.3695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8406, 44.3733, 84.3597 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(110, 186, 234)` looks like.

```
.text, #text, p{  
    color:rgb(110, 186, 234)  
}
```

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(110, 186, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 186, 234) }
```

Border

The CSS property to change the border of an element to XYZ 38.8406, 44.3733, 84.3597 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(110, 186, 234) }
```


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

```
.border{ border-color:rgb(110, 186, 234) }
```

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

Here you see how a box with a 4 pixel rgb(110, 186, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 186, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 186, 234);  
box-shadow:4px 4px 4px 4px rgb(110, 186,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8406, 44.3733, 84.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 186, 234) }
```

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

```
.background{ background-color: rgb(110,  
186, 234) }
```

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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