

# Converting Colors

XYZ(38.7863, 45.7704, 88.6682)

Have a look what the booklet for  
XYZ(38.7863, 45.7704, 88.6682)  
contains.

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# Color

**XYZ(38.8269, 45.8733,  
88.4694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EBFEF
RGB	94, 191, 239
RGB Percent	37%, 75%, 94%
CMY	0.6313, 0.2510, 0.0627
CMYK	0.61, 0.20, 0.00, 0.06
HSL	200°, 82%, 65%
HSV	200°, 61%, 94%
XYZ	38.8269, 45.8733, 88.4694
YIQ	167.4690, -73.2200, -5.6360

# Conversions

## Conversions Part 2

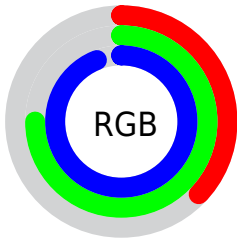
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	94, 152, 239
Decimal	6209519
CIE Lab	73.46, -14.62, -32.38
CIE LCh	73, 35.529, 245.697
Yxy	45.8733, 0.2242, 0.2649
Android (android.graphics.Color)	4284399599 (0xFF5EBFEF)
YUV	167.4690, 35.2648, -64.4323
Hunter-Lab	67.7298, -16.2000, -30.0343

# Details

The XYZ color **38.8269, 45.8733, 88.4694** 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 **47.2916, 38.5070, 15.5316**, and the grayscale version is **36.8198, 38.7373, 42.1849**.

A 20% lighter version of the original color is **64.8283, 80.7101, 106.7695**, and **17.6357, 21.5959, 48.0387** is the 20% darker color. If you saturate the color by 10%, you get **35.0660, 41.4426, 87.8133**, and if you desaturate by 10%, it is **43.4426, 50.8847, 89.1943**.

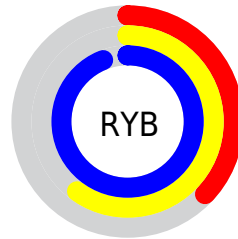
# Distribution



Red (37%)

Green (75%)

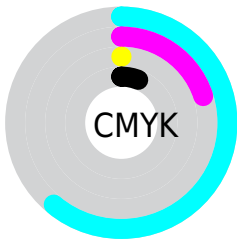
Blue (94%)



Red (37%)

Yellow (60%)

Blue (94%)

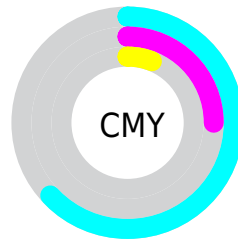


Cyan (61%)

Magenta (20%)

Yellow (0%)

Black (6%)



Cyan (63%)

Magenta (25%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8269, 45.8733, 88.4694 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 38.8269, 45.8733, 88.4694 by changing the saturation by 10% instead.



■ 38.8269, 45.8733,  
88.4694

■ 38.8269, 45.8733,  
88.4694

332.3738,  
370.2990, 543.4803

■ 26.8052, 32.1459,  
66.1453

■ 72.6696, 84.0293,  
147.1274

■ 17.5628, 21.4729,  
47.9332

■ 95.2213, 109.2267,  
184.2983

■ 10.7344, 13.4701,  
33.4143

■ 122.0137,  
139.0162, 227.2554

■ 5.9545, 7.7531,  
22.1703

■ 153.4121,  
173.7822, 276.4170

■ 2.8578, 3.9374,  
13.7826

189.7820,  
213.9091, 332.2018

■ 1.0790, 1.6386,  
7.8326

231.4887,

■ 0.0075, 0.3834,

259.7813, 395.0282

3.9018

278.8975,  
311.7831, 465.3149

■ 0.0000, 0.0000,  
1.5716

■ 0.0000, 0.0000,  
0.2704

■ 38.8269, 45.8733,  
88.4694

■ 38.8269, 45.8733,  
88.4694

■ 35.0660, 41.4426,  
87.8133

■ 43.4426, 50.8847,  
89.1943

■ 32.0811, 37.5474,  
87.2188


■ 48.9734, 56.5075,  
89.9881


■ 29.7856, 34.1416,  
86.6824


■ 55.4788, 62.7753,  
90.8550


■ 28.1306, 31.3330,  
86.2275


■ 63.0119, 69.7174,  
91.7980

 71.6219, 77.3613,  
92.8196

 81.3544, 85.7324,  
93.9224

 89.8934, 93.6385,  
94.9984

 92.3565, 98.5647,  
95.8194

 92.5802, 99.0121,  
95.8940

# Harmonies

## Analogous

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



34.5280, 45.8733, 72.9152



38.8269, 45.8733, 88.4694



44.8084, 45.8733, 92.7653

# Triad

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



38.8269, 45.8733, 88.4694



56.7262, 45.8733, 46.6000



36.9405, 45.8733, 26.8347

# Complementary

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



38.8269, 45.8733, 88.4694



47.2916, 38.5070, 15.5316

# 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.



42.4159, 45.8733, 22.8744



38.8269, 45.8733, 88.4694



54.1390, 45.8733, 32.3946

# Square

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



38.8269, 45.8733, 88.4694



55.5327, 45.8733, 65.5425



48.7517, 45.8733, 24.6336



33.5142, 45.8733, 37.0472



# Rectangle

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



38.8269, 45.8733, 88.4694



49.0383, 45.8733, 87.9512



48.7517, 45.8733, 24.6336



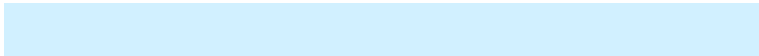
38.5816, 45.8733, 24.8557

# Sweetspot

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



38.8284, 45.8750, 88.4705



75.4756, 82.9955, 106.6495



40.2116, 66.0049, 35.4018



15.5620, 17.2309, 22.7556



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.



38.8284, 45.8750, 88.4705



39.6471, 46.7866, 101.5488



26.9847, 22.1874, 84.5226



15.7809, 16.9958, 20.1704



15.6707, 17.5656, 47.6924



1.3944, 1.6428, 3.9978



# Inverse Universe

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



49.0047, 30.1194, 52.5226



53.0267, 29.3649, 53.5461



61.2661, 66.4560, 20.1897



16.2188, 15.9372, 18.7086



23.2354, 11.5666, 19.6882

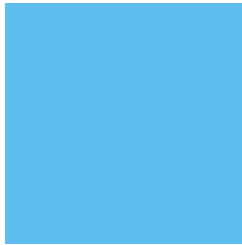


1.9788, 0.9806, 1.8791



# Previews

## White Background



This preview shows how the XYZ color 38.8269, 45.8733, 88.4694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

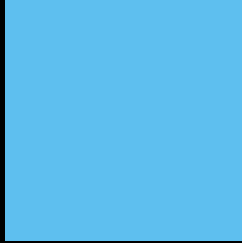
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.8269, 45.8733, 88.4694 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

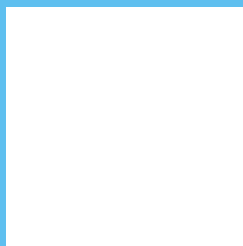
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.8269, 45.8733, 88.4694**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.8269, 45.8733, 88.4694.



This preview shows how white text looks on a background with the XYZ color 38.8269, 45.8733,



# 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

38.8269, 45.8733, 88.4694

### Protanopia

45.5909, 45.2084, 80.4519

### Deuteranopia

46.6494, 45.5365, 90.3351



## Tritanopia

35.1033, 46.0272, 69.3213

# Trichromacy



**Original Color**

38.8269, 45.8733, 88.4694

**Protanomaly**

42.2511, 44.9145, 83.5333

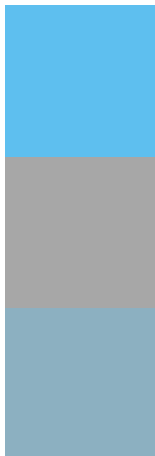
**Deuteranomaly**

42.9217, 45.1251, 89.6669

**Tritanomaly**

36.3144, 45.8359, 76.0405

# Monochromacy



**Original Color**

38.8269, 45.8733, 88.4694

**Achromatopsia**

36.7301, 38.6429, 42.0822

**Achromatomaly**

35.9662, 40.4764, 56.3692

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.8269, 45.8733, 88.4694 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(94, 191, 239)` looks like.

```
.text, #text, p{  
    color:rgb(94, 191, 239)  
}
```

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(94, 191, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 191, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 38.8269, 45.8733, 88.4694 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(94, 191, 239) }
```



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

```
.border{ border-color:rgb(94, 191, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 191, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 191, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 191, 239);  
box-shadow:4px 4px 4px 4px rgb(94, 191,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.8269, 45.8733, 88.4694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 191, 239) }
```

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

```
.background{ background-color: rgb(94, 191,  
239) }
```

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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