

# Converting Colors

XYZ(33.8112, 38.5857, 78.3388)

Have a look what the booklet for  
XYZ(33.8112, 38.5857, 78.3388)  
contains.

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# Color

**XYZ(33.8112, 38.5857,  
78.3388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EAFE3
RGB	94, 175, 227
RGB Percent	37%, 69%, 89%
CMY	0.6313, 0.3137, 0.1098
CMYK	0.59, 0.23, 0.00, 0.11
HSL	203°, 70%, 63%
HSV	203°, 59%, 89%
XYZ	33.8112, 38.5857, 78.3388
YIQ	156.7090, -64.9680, -1.0000

# Conversions

## Conversions Part 2

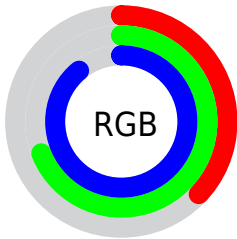
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	94, 144, 227
Decimal	6205411
CIE Lab	68.45, -9.73, -33.61
CIE LCh	68, 34.990, 253.852
Yxy	38.5857, 0.2243, 0.2560
Android (android.graphics.Color)	4284395491 (0xFF5EAFE3)
YUV	156.7090, 34.6535, -54.9958
Hunter-Lab	62.1174, -11.5459, -31.2909

# Details

The XYZ color **33.8112, 38.5857, 78.3388** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **43.9792, 37.6987, 15.5499**, and the grayscale version is **31.7888, 33.4443, 36.4208**.

A 20% lighter version of the original color is **59.6732, 70.6837, 105.1059**, and **14.6473, 17.2164, 41.0792** is the 20% darker color. If you saturate the color by 10%, you get **30.1457, 34.2160, 77.6893**, and if you desaturate by 10%, it is **38.2772, 43.5380, 79.0601**.

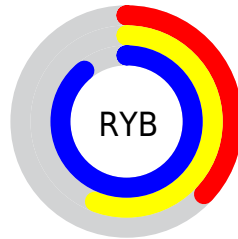
# Distribution



Red (37%)

Green (69%)

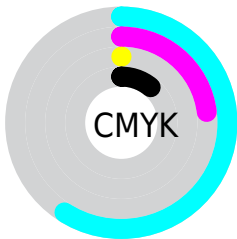
Blue (89%)



Red (37%)

Yellow (56%)

Blue (89%)

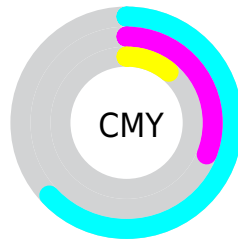


Cyan (59%)

Magenta (23%)

Yellow (0%)

Black (11%)



Cyan (63%)

Magenta (31%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8112, 38.5857, 78.3388 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 33.8112, 38.5857, 78.3388 by changing the saturation by 10% instead.



■ 33.8112, 38.5857,  
78.3388

■ 33.8112, 38.5857,  
78.3388

310.8901,  
340.1258, 508.8750

■ 22.9108, 26.4376,  
57.8342

■ 64.9862, 73.0050,  
132.8178

■ 14.6480, 17.1513,  
41.2616

■ 85.9915, 96.0449,  
167.6294

■ 8.6574, 10.3424,  
28.2023

■ 111.0958,  
123.4843, 208.0470

■ 4.5737, 5.6266,  
18.2378

■ 140.6645,  
155.7074, 254.4892

■ 2.0315, 2.6194,  
10.9497

175.0630,  
193.0988, 307.3746

■ 0.6516, 0.9364,  
5.9193

214.6565,

■ 0.0000, 0.0000,

236.0427, 367.1217

2.7280

259.8104,  
284.9236, 434.1490

■ 0.0000, 0.0000,  
0.9575

■ 0.0000, 0.0000,  
0.0000

■ 33.8112, 38.5857,  
78.3388

■ 33.8112, 38.5857,  
78.3388

■ 30.1457, 34.2160,  
77.6893

■ 38.2772, 43.5380,  
79.0601

■ 27.2126, 30.3886,  
77.1051

■ 43.5963, 49.1011,  
79.8535

■ 24.9379, 27.0626,  
76.5830

■ 49.8208, 55.3057,  
80.7230

■ 23.2108, 24.1775,  
76.1172

■ 56.9976, 62.1789,  
81.6714

■ 22.9893, 23.7942,  
76.0549

■ 65.1699, 69.7459,  
82.7013

■ 74.3785, 78.0304,  
83.8150

■ 84.6614, 87.0551,  
85.0150

■ 88.0627, 92.7209,  
85.9293

■ 90.8272, 98.2500,  
86.8508

# Harmonies

## Analogous

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



29.5645, 38.5857, 66.6844



33.8112, 38.5857, 78.3388



39.2653, 38.5857, 78.8155

# Triad

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



33.8112, 38.5857, 78.3388



47.9309, 38.5857, 35.1709



29.8247, 38.5857, 23.7379

# Complementary

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



33.8112, 38.5857, 78.3388



43.9792, 37.6987, 15.5499

# 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.



34.2003, 38.5857, 18.9336



33.8112, 38.5857, 78.3388



44.8419, 38.5857, 24.3291

# Square

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



33.8112, 38.5857, 78.3388



47.7999, 38.5857, 51.0124



39.6952, 38.5857, 19.1188



27.4251, 38.5857, 34.1401



# Rectangle

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



33.8112, 38.5857, 78.3388



42.8869, 38.5857, 72.5208



39.6952, 38.5857, 19.1188



31.0931, 38.5857, 21.5456

# Sweetspot

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



33.8125, 38.5871, 78.3397



74.6726, 81.3895, 106.3818



37.1961, 59.3627, 36.2809



15.3653, 16.8374, 22.6901



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.



33.8125, 38.5871, 78.3397



38.4632, 43.5627, 100.9890



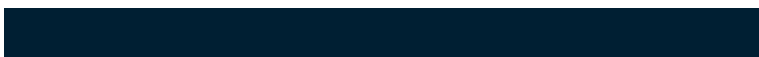
24.0066, 18.9753, 75.0711



14.3097, 15.3407, 18.3512



13.5239, 14.1099, 44.3939



1.0891, 1.2221, 3.3105



# Inverse Universe

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



43.4203, 27.4329, 43.5653



52.6381, 30.0097, 49.0331



57.1145, 63.9692, 19.9283



14.7439, 14.5147, 16.8517



21.2197, 10.6221, 15.3180

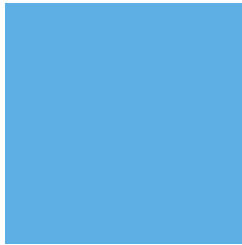


1.6134, 0.8031, 1.3704



# Previews

## White Background



This preview shows how the XYZ color 33.8112, 38.5857, 78.3388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

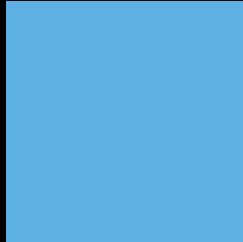
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.8112, 38.5857, 78.3388 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

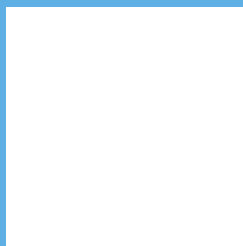
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.8112, 38.5857, 78.3388**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.8112, 38.5857, 78.3388.



This preview shows how white text looks on a background with the XYZ color 33.8112, 38.5857,



# 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

33.8112, 38.5857, 78.3388

### Protanopia

38.8241, 38.2447, 72.3535

### Deuteranopia

39.0954, 38.2278, 79.4469



## Tritanopia

29.7675, 38.7372, 57.5379

# Trichromacy



**Original Color**

33.8112, 38.5857, 78.3388

**Protanomaly**

36.3934, 38.0250, 74.5287

**Deuteranomaly**

36.6104, 38.0423, 78.8121

**Tritanomaly**

31.2203, 38.7236, 64.8604

# Monochromacy



**Original Color**

33.8112, 38.5857, 78.3388

**Achromatopsia**

32.0474, 33.7164, 36.7171

**Achromatomaly**

31.5505, 34.9967, 49.3481

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.8112, 38.5857, 78.3388 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, 175, 227)` looks like.

```
.text, #text, p{  
    color:rgb(94, 175, 227)  
}
```

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, 175, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 175, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 33.8112, 38.5857, 78.3388 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, 175, 227) }
```



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

```
.border{ border-color:rgb(94, 175, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 175, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 175, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 175, 227);  
box-shadow:4px 4px 4px 4px rgb(94, 175,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.8112, 38.5857, 78.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 175, 227) }
```

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

```
.background{ background-color: rgb(94, 175,  
227) }
```

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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