

# Converting Colors

XYZ(33.8489, 38.3638, 72.4964)

Have a look what the booklet for  
XYZ(33.8489, 38.3638, 72.4964)  
contains.

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# Color

**XYZ(33.9856, 38.5124,  
72.6602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BAEDB
RGB	107, 174, 219
RGB Percent	42%, 68%, 86%
CMY	0.5804, 0.3176, 0.1412
CMYK	0.51, 0.21, 0.00, 0.14
HSL	204°, 61%, 64%
HSV	204°, 51%, 86%
XYZ	33.9856, 38.5124, 72.6602
YIQ	159.0970, -54.3770, -0.2090

# Conversions

## Conversions Part 2

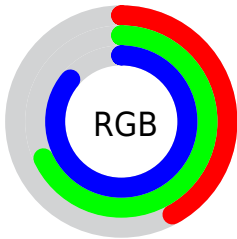
Format	Color
R <sub>YB</sub>	107, 149, 219
Decimal	7057115
CIE Lab	68.40, -8.89, -29.26
CIE LCh	68, 30.583, 253.097
Yxy	38.5124, 0.2341, 0.2653
Android (android.graphics.Color)	4285247195 (0xFF6BAEDB)
YUV	159.0970, 29.5322, -45.6891
Hunter-Lab	62.0584, -10.8485, -25.9781

# Details

The XYZ color **33.9856, 38.5124, 72.6602** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.0965, 38.5793, 19.0863**, and the grayscale version is **32.8872, 34.5999, 37.6792**.

A 20% lighter version of the original color is **61.3792, 71.1511, 105.1063**, and **14.7871, 17.1802, 37.6587** is the 20% darker color. If you saturate the color by 10%, you get **30.0341, 34.0346, 72.0049**, and if you desaturate by 10%, it is **38.7178, 43.5595, 73.3857**.

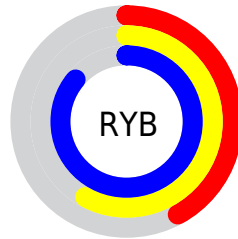
# Distribution



Red (42%)

Green (68%)

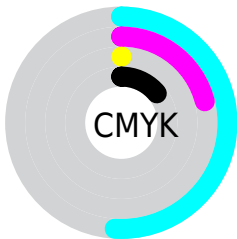
Blue (86%)



Red (42%)

Yellow (58%)

Blue (86%)

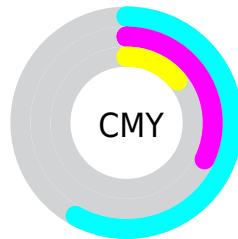


Cyan (51%)

Magenta (21%)

Yellow (0%)

Black (14%)



Cyan (58%)

Magenta (32%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9856, 38.5124, 72.6602 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 33.9856, 38.5124, 72.6602 by changing the saturation by 10% instead.



■ 33.9856, 38.5124,  
72.6602

■ 33.9856, 38.5124,  
72.6602

311.6549,  
339.8130, 488.8754

■ 23.0454, 26.3806,  
53.2080

■ 65.2557, 72.8928,  
124.7111

■ 14.7479, 17.1086,  
37.5800

■ 86.3163, 95.9103,  
158.1470

■ 8.7278, 10.3120,  
25.3576

■ 111.4811,  
123.3251, 197.0811

■ 4.6197, 5.6063,  
16.1222

141.1154,  
155.5216, 241.9321

■ 2.0584, 2.6072,  
9.4554

175.5845,  
192.8842, 293.1185

■ 0.6664, 0.9303,  
4.9385

215.2539,

■ 0.0000, 0.0000,

235.7974, 351.0589

2.1531

260.4889,  
284.6455, 416.1716

■ 0.0000, 0.0000,  
0.6471

■ 0.0000, 0.0000,  
0.0000

■ 33.9856, 38.5124,  
72.6602

■ 33.9856, 38.5124,  
72.6602

■ 30.0341, 34.0346,  
72.0049

■ 38.7178, 43.5595,  
73.3857

■ 26.8058, 30.0910,  
71.4138

■ 44.2748, 49.1995,  
74.1814

■ 24.2411, 26.6485,  
70.8846

■ 50.7018, 55.4593,  
75.0510

■ 22.2675, 23.6663,  
70.4130

■ 58.0394, 62.3628,  
75.9967

■ 20.9040, 21.3499,  
70.0377

■ 66.3257, 69.9324,  
77.0211

■ 75.5961, 78.1893,  
78.1262

■ 83.9057, 86.1333,  
79.2216

■ 86.4961, 91.3141,  
80.0851

■ 89.2130, 96.7480,  
80.9907

# Harmonies

## Analogous

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



30.2688, 38.5124, 62.7168



33.9856, 38.5124, 72.6602



38.7370, 38.5124, 73.3180

# Triad

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



33.9856, 38.5124, 72.6602



46.3535, 38.5124, 36.2230



30.6525, 38.5124, 25.4380

# Complementary

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



33.9856, 38.5124, 72.6602



43.0965, 38.5793, 19.0863

# 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.



34.5525, 38.5124, 21.0928



33.9856, 38.5124, 72.6602



43.7686, 38.5124, 26.3384

# Square

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



33.9856, 38.5124, 72.6602



46.1679, 38.5124, 50.1007



39.3554, 38.5124, 21.3816



28.4630, 38.5124, 34.7059



# Rectangle

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



33.9856, 38.5124, 72.6602



41.8812, 38.5124, 68.2132



39.3554, 38.5124, 21.3816



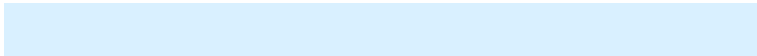
31.7915, 38.5124, 23.4541

# Sweetspot

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



33.9869, 38.5138, 72.6611



77.6428, 84.0370, 106.7363



37.0471, 56.0502, 38.4875



16.1478, 17.5442, 22.7852



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.



33.9869, 38.5138, 72.6611



42.2051, 47.8185, 101.6132



25.3528, 21.2457, 69.7831



12.9832, 13.9061, 16.6520



12.5049, 12.8792, 41.5653



0.8937, 1.0015, 2.7207



# Inverse Universe

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



42.1122, 28.6327, 43.3530



55.3148, 34.0973, 53.8278



54.3753, 61.1368, 22.8459



13.3814, 13.1817, 15.2696



19.8072, 9.9239, 13.8967



1.3254, 0.6598, 1.1224



# Previews

## White Background



This preview shows how the XYZ color 33.9856, 38.5124, 72.6602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

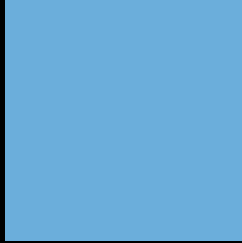
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.9856, 38.5124, 72.6602 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 33.9856, 38.5124, 72.6602**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.9856, 38.5124, 72.6602.



This preview shows how white text looks on a background with the XYZ color 33.9856, 38.5124,



# 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

33.9856, 38.5124, 72.6602

### Protanopia

38.4856, 38.1744, 67.6273

### Deuteranopia

39.0972, 38.0902, 73.6981



## Tritanopia

30.7827, 38.6871, 56.2970

# Trichromacy



## Original Color

33.9856, 38.5124, 72.6602

## Protanomaly

36.5849, 38.2299, 69.7409

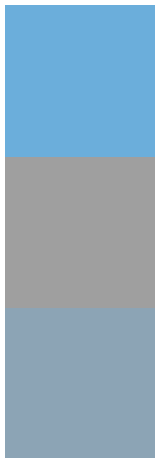
## Deuteranomaly

36.8903, 38.0390, 73.1081

## Tritanomaly

31.7496, 38.4753, 61.6302

# Monochromacy



## Original Color

33.9856, 38.5124, 72.6602

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

32.4312, 35.4626, 48.8517

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.9856, 38.5124, 72.6602 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(107, 174, 219)` looks like.

```
.text, #text, p{  
    color:rgb(107, 174, 219)  
}
```

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(107, 174, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 174, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 33.9856, 38.5124, 72.6602 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(107, 174, 219) }
```



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

```
.border{ border-color:rgb(107, 174, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 174, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 174, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 174, 219);  
box-shadow:4px 4px 4px 4px rgb(107, 174,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.9856, 38.5124, 72.6602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 174, 219) }
```

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

```
.background{ background-color: rgb(107,  
174, 219) }
```

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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