

Converting Colors

XYZ(33.1747, 37.7314, 59.1135)

Have a look what the booklet for
XYZ(33.1747, 37.7314, 59.1135)
contains.

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Color

**XYZ(33.2577, 37.8674,
58.9823)**

Conversions

Conversions Part 1

Format	Color
Hex	7CACC6
RGB	124, 172, 198
RGB Percent	49%, 67%, 78%
CMY	0.5137, 0.3255, 0.2235
CMYK	0.37, 0.13, 0.00, 0.22
HSL	201°, 39%, 63%
HSV	201°, 37%, 78%
XYZ	33.2577, 37.8674, 58.9823
YIQ	160.6120, -36.9540, -2.0900

Conversions

Conversions Part 2

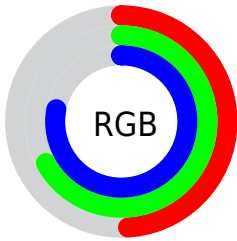
Format	Color
RYB	124, 153, 198
Decimal	8170694
CIELab	67.92, -9.40, -18.34
CIELCh	68, 20.611, 242.860
Yxy	37.8674, 0.2556, 0.2910
Android (android.graphics.Color)	4286360774 (0xFF7CACC6)
YUV	160.6120, 18.4323, -32.1087
Hunter-Lab	61.5365, -11.2177, -13.7535

Details

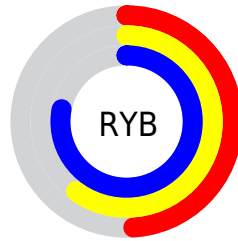
The XYZ color **33.2577, 37.8674, 58.9823** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.8336, 35.2740, 23.8842**, and the grayscale version is **33.6269, 35.3781, 38.5267**.

A 20% lighter version of the original color is **64.1095, 71.7419, 105.0764**, and **14.3490, 16.7862, 28.8693** is the 20% darker color. If you saturate the color by 10%, you get **29.3892, 33.9597, 58.4326**, and if you desaturate by 10%, it is **37.7724, 42.2128, 59.5838**.

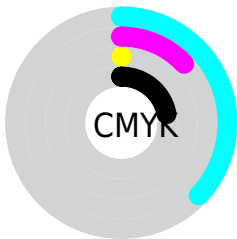
Distribution



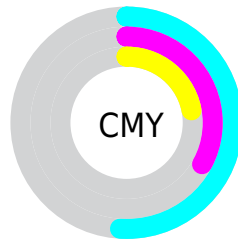
- Red (49%)
- Green (67%)
- Blue (78%)



- Red (49%)
- Yellow (60%)
- Blue (78%)



- Cyan (37%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)



- Cyan (51%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2577, 37.8674, 58.9823 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 33.2577, 37.8674, 58.9823 by changing the saturation by 10% instead.

■ 33.2577, 37.8674,
58.9823

■ 33.2577, 37.8674,
58.9823

308.4538,
337.0508, 438.5364

■ 22.4841, 25.8798,
42.1790

■ 64.1296, 71.9049,
104.8808

■ 14.3316, 16.7337,
28.9148

■ 84.9587, 94.7235,
134.8130

■ 8.4349, 10.0448,
18.7714

■ 109.8703,
121.9212, 169.9587

■ 4.4286, 5.4287,
11.3301

139.2298,
153.8825, 210.7362

■ 1.9474, 2.5009,
6.1723

173.4026,
190.9917, 257.5642

■ 0.6041, 0.8771,
2.8797

212.7539,

■ 0.0000, 0.0000,

233.6333, 310.8612

1.0335

257.6492,
282.1915, 371.0458

■ 0.0000, 0.0000,
0.0000

■ 33.2577, 37.8674,
58.9823

■ 33.2577, 37.8674,
58.9823

■ 29.3892, 33.9597,
58.4326

■ 37.7724, 42.2128,
59.5838

■ 26.1278, 30.4654,
57.9300

■ 42.9624, 47.0100,
60.2362

■ 23.4352, 27.3641,
57.4733

■ 48.8593, 52.2775,
60.9421

■ 21.2669, 24.6312,
57.0601

■ 55.4917, 58.0315,
61.7032

■ 19.5713, 22.2384,
56.6876

■ 62.8863, 64.2873,
62.5209

■ 18.2763, 20.1468,
56.3522

■ 71.0686, 71.0592,
63.3968

■ 17.9696, 19.6301,
56.2686

■ 77.2098, 76.8906,
64.1987

■ 79.0814, 80.6338,
64.8225

■ 81.0300, 84.5310,
65.4721

Harmonies

Analogous

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



31.0673, 37.8674, 51.5493



33.2577, 37.8674, 58.9823



36.2997, 37.8674, 61.4511

Triad

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



33.2577, 37.8674, 58.9823



42.4927, 37.8674, 40.3582



32.7558, 37.8674, 28.1310

Complementary

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



33.2577, 37.8674, 58.9823



37.8336, 35.2740, 23.8842

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.



35.6857, 37.8674, 26.0184



33.2577, 37.8674, 58.9823



41.4110, 37.8674, 32.3908

Square

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



33.2577, 37.8674, 58.9823



41.7490, 37.8674, 49.8022



38.8718, 37.8674, 27.4552



30.7899, 37.8674, 33.7047

Rectangle

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



33.2577, 37.8674, 58.9823



38.4352, 37.8674, 59.6911



38.8718, 37.8674, 27.4552



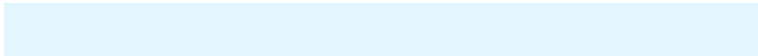
33.6543, 37.8674, 27.0333

Sweetspot

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



33.2589, 37.8689, 58.9832



82.4092, 88.9355, 107.4306



34.0040, 46.8728, 36.0680



17.3295, 18.7598, 22.9576



0.0000, 0.0000, 0.0000



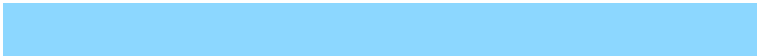
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.2589, 37.8689, 58.9832



53.1277, 61.2579, 103.6316



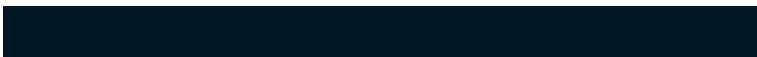
27.1840, 25.7191, 56.9582



10.6210, 11.4161, 13.5612



11.7688, 12.9314, 36.6201



0.6234, 0.7446, 1.7560

Inverse Universe

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



37.9437, 29.4006, 42.7064



62.8800, 44.9794, 69.4458



44.6766, 48.9600, 26.1652



10.9187, 10.7509, 12.5554



17.7397, 8.8454, 14.3708



0.8734, 0.4322, 0.8563

Previews

White Background



This preview shows how the XYZ color 33.2577, 37.8674, 58.9823 looks on a white background.

Color Contrast Check

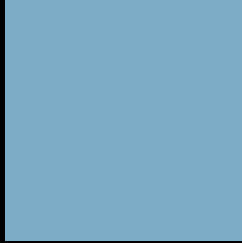
Large Text (above 18pt) WCAG AA × Fail

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 33.2577, 37.8674, 58.9823 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 33.2577, 37.8674, 58.9823

Background



This preview shows how black text looks on a background with the XYZ color 33.2577, 37.8674, 58.9823.



This preview shows how white text looks on a background with the XYZ color 33.2577, 37.8674,

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

33.2577, 37.8674, 58.9823

Protanopia

37.2871, 37.8303, 55.2059

Deuteranopia

38.2745, 37.4464, 59.8542



Tritanopia

32.0983, 37.9679, 53.2137

Trichromacy



Original Color

33.2577, 37.8674, 58.9823

Protanomaly

35.5889, 37.7355, 56.4469

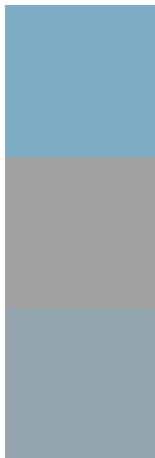
Deuteranomaly

36.1584, 37.4233, 59.3505

Tritanomaly

32.4840, 37.8305, 55.4591

Monochromacy



Original Color

33.2577, 37.8674, 58.9823

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.3079, 36.2622, 45.2882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2577, 37.8674, 58.9823 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(124, 172, 198)` looks like.

```
.text, #text, p{  
    color:rgb(124, 172, 198)  
}
```

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(124, 172, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 172, 198) }
```

Border

The CSS property to change the border of an element to XYZ 33.2577, 37.8674, 58.9823 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(124, 172, 198) }
```


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

```
.border{ border-color:rgb(124, 172, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 172, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 172, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 172, 198);  
box-shadow:4px 4px 4px 4px rgb(124, 172,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2577, 37.8674, 58.9823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 172, 198) }
```

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

```
.background{ background-color: rgb(124,  
172, 198) }
```

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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