

Converting Colors

XYZ(31.8106, 37.0133, 59.0445)

Have a look what the booklet for
XYZ(31.8106, 37.0133, 59.0445)
contains.

- XYZ(31.8850, 37.1597, 58.9181) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(31.8850, 37.1597,
58.9181)**

Conversions

Conversions Part 1

Format	Color
Hex	72ACC6
RGB	114, 172, 198
RGB Percent	45%, 67%, 78%
CMY	0.5529, 0.3255, 0.2235
CMYK	0.42, 0.13, 0.00, 0.22
HSL	199°, 42%, 61%
HSV	199°, 42%, 78%
XYZ	31.8850, 37.1597, 58.9181
YIQ	157.6220, -42.9140, -4.2100

Conversions

Conversions Part 2

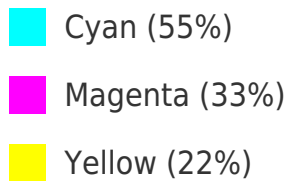
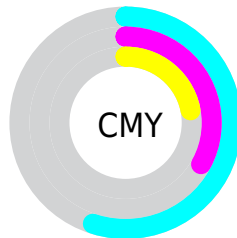
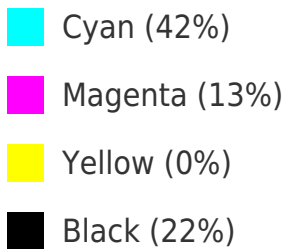
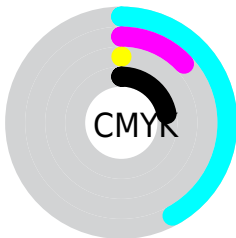
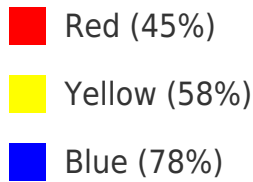
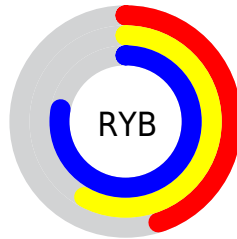
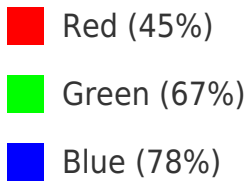
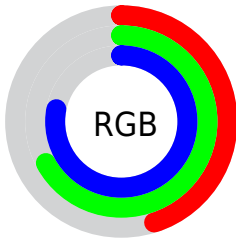
Format	Color
RYB	114, 148, 198
Decimal	7515334
CIELab	67.40, -12.05, -19.19
CIELCh	67, 22.659, 237.873
Yxy	37.1597, 0.2492, 0.2904
Android (android.graphics.Color)	4285705414 (0xFF72ACC6)
YUV	157.6220, 19.9064, -38.2565
Hunter-Lab	60.9588, -13.3119, -14.6341

Details

The XYZ color **31.8850, 37.1597, 58.9181** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.7048, 31.9775, 20.2111**, and the grayscale version is **32.2560, 33.9358, 36.9561**.

A 20% lighter version of the original color is **61.8813, 70.5932, 104.9721**, and **13.5541, 16.3764, 28.8321** is the 20% darker color. If you saturate the color by 10%, you get **28.4436, 33.6946, 58.4313**, and if you desaturate by 10%, it is **35.9400, 41.0226, 59.4507**.

Distribution



Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8850, 37.1597, 58.9181 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 31.8850, 37.1597, 58.9181 by changing the saturation by 10% instead.

■ 31.8850, 37.1597,
58.9181

■ 31.8850, 37.1597,
58.9181

302.3497,
334.0014, 438.2918

■ 21.4288, 25.3312,
42.1276

■ 61.9972, 70.8183,
104.7866

■ 13.5520, 16.3240,
28.8749

■ 82.3839, 93.4172,
134.7016

■ 7.8894, 9.7537,
18.7415

■ 106.8114,
120.3750, 169.8287

■ 4.0755, 5.2359,
11.3087

135.6452,
152.0761, 210.5861

■ 1.7449, 2.3864,
6.1581

169.2505,
188.9049, 257.3927

■ 0.4841, 0.8189,
2.8711

207.9928,

■ 0.0000, 0.0000,

231.2458, 310.6667

1.0292

252.2374,
279.4832, 370.8269

■ 0.0000, 0.0000,
0.0000

■ 31.8850, 37.1597,
58.9181

■ 31.8850, 37.1597,
58.9181

■ 28.4436, 33.6946,
58.4313

■ 35.9400, 41.0226,
59.4507

■ 25.5753, 30.6030,
57.9857

■ 40.6388, 45.2975,
60.0281

■ 23.2397, 27.8637,
57.5801

■ 46.0138, 50.0029,
60.6531

■ 21.3897, 25.4512,
57.2120

■ 52.0941, 55.1548,
61.3270

■ 19.9685, 23.3354,
56.8785

■ 58.9071, 60.7683,
62.0515

■ 19.0988, 21.8885,
56.6450

■ 66.4784, 66.8576,
62.8278

■ 74.8326, 73.4364,
63.6573

■ 77.2974, 77.0658,
64.2279

■ 78.9455, 80.3619,
64.7773

Harmonies

Analogous

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



29.7378, 37.1597, 50.0785



31.8850, 37.1597, 58.9181



35.0719, 37.1597, 62.7442

Triad

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



31.8850, 37.1597, 58.9181



42.4230, 37.1597, 41.1746



32.2877, 37.1597, 25.7975

Complementary

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



31.8850, 37.1597, 58.9181



35.7048, 31.9775, 20.2111

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.



35.5676, 37.1597, 24.1976



31.8850, 37.1597, 58.9181



41.5585, 37.1597, 32.1604

Square

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



31.8850, 37.1597, 58.9181



41.2829, 37.1597, 51.5093



38.9915, 37.1597, 26.3270



29.9594, 37.1597, 31.1169

Rectangle

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



31.8850, 37.1597, 58.9181



37.4090, 37.1597, 61.5329



38.9915, 37.1597, 26.3270



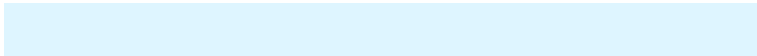
33.3087, 37.1597, 24.8493

Sweetspot

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



31.8862, 37.1611, 58.9190



80.7020, 87.8734, 107.3155



31.8093, 45.8363, 31.6747



16.7989, 18.3974, 22.9156



0.0000, 0.0000, 0.0000



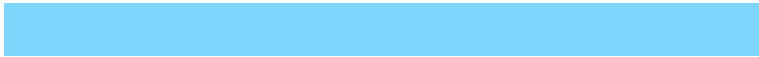
20.3446, 21.4041, 23.3091

Same Dimension

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



31.8862, 37.1611, 58.9190



50.7365, 60.0490, 103.5243



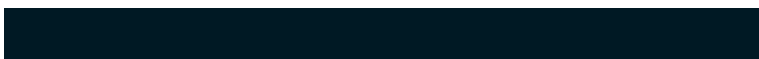
25.2229, 23.8347, 56.6979



10.6591, 11.4922, 13.5739



12.4992, 14.3923, 36.8636



0.6541, 0.8060, 1.7662

Inverse Universe

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



36.7534, 27.0200, 42.3095



60.8007, 40.8079, 68.7927



42.8914, 46.3507, 22.6066



10.9379, 10.7586, 12.6564



18.1083, 8.9929, 16.3122



0.8888, 0.4384, 0.9378

Previews

White Background



This preview shows how the XYZ color 31.8850, 37.1597, 58.9181 looks on a white background.

Color Contrast Check

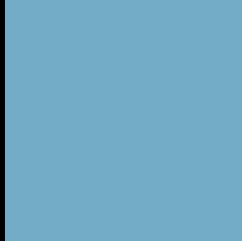
Large Text (above 18pt) WCAG AA × Fail

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 31.8850, 37.1597, 58.9181 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

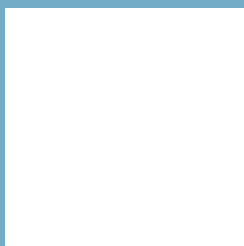
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8850, 37.1597, 58.9181

Background



This preview shows how black text looks on a background with the XYZ color 31.8850, 37.1597, 58.9181.



This preview shows how white text looks on a background with the XYZ color 31.8850, 37.1597,

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

31.8850, 37.1597, 58.9181

Protanopia

36.4249, 36.8713, 54.4873

Deuteranopia

37.8114, 36.9357, 60.3948



Tritanopia

30.7687, 37.2825, 53.1515

Trichromacy



Original Color

31.8850, 37.1597, 58.9181

Protanomaly

34.5292, 36.9183, 56.3450

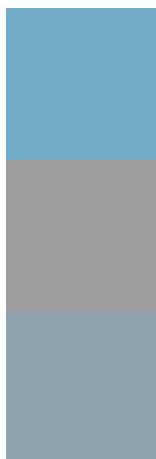
Deuteranomaly

35.2024, 36.6503, 59.8624

Tritanomaly

31.1401, 37.1377, 55.3962

Monochromacy



Original Color

31.8850, 37.1597, 58.9181

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7953, 34.9623, 44.6078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8850, 37.1597, 58.9181 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(114, 172, 198)` looks like.

```
.text, #text, p{  
    color:rgb(114, 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(114, 172, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 172, 198) }
```

Border

The CSS property to change the border of an element to XYZ 31.8850, 37.1597, 58.9181 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(114, 172, 198) }
```


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

```
.border{ border-color:rgb(114, 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(114, 172, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 172, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 172, 198);  
box-shadow:4px 4px 4px 4px rgb(114, 172,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8850, 37.1597, 58.9181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 172, 198) }
```

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

```
.background{ background-color: rgb(114,  
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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