

Converting Colors

XYZ(30.4407, 33.0805, 58.7863)

Have a look what the booklet for
XYZ(30.4407, 33.0805, 58.7863)
contains.

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Color

**XYZ(30.4874, 33.1871,
58.8317)**

Conversions

Conversions Part 1

Format	Color
Hex	77A0C7
RGB	119, 160, 199
RGB Percent	47%, 63%, 78%
CMY	0.5333, 0.3725, 0.2196
CMYK	0.40, 0.20, 0.00, 0.22
HSL	209°, 42%, 62%
HSV	209°, 40%, 78%
XYZ	30.4874, 33.1871, 58.8317
YIQ	152.1870, -36.9550, 3.4370

Conversions

Conversions Part 2

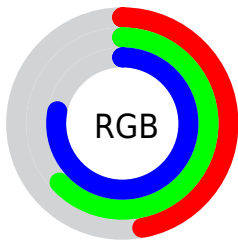
Format	Color
R _Y B	119, 146, 199
Decimal	7839943
CIE Lab	64.31, -3.91, -24.43
CIE LCh	64, 24.739, 260.914
Yxy	33.1871, 0.2489, 0.2709
Android (android.graphics.Color)	4286030023 (0xFF77A0C7)
YUV	152.1870, 23.0788, -29.1050
Hunter-Lab	57.6082, -6.3488, -20.2234

Details

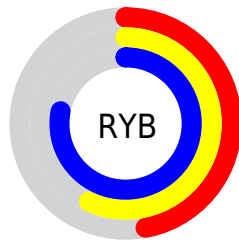
The XYZ color **30.4874, 33.1871, 58.8317** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.1106, 37.9286, 22.7136**, and the grayscale version is **29.8416, 31.3957, 34.1899**.

A 20% lighter version of the original color is **59.8060, 64.8195, 103.9671**, and **12.8262, 14.1399, 28.8413** is the 20% darker color. If you saturate the color by 10%, you get **26.4204, 28.6912, 58.1788**, and if you desaturate by 10%, it is **35.2596, 38.2429, 59.5566**.

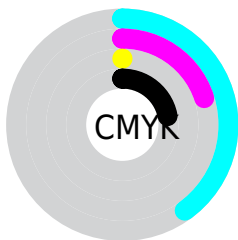
Distribution



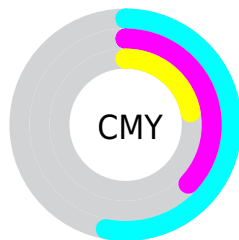
- Red (47%)
- Green (63%)
- Blue (78%)



- Red (47%)
- Yellow (57%)
- Blue (78%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (22%)



- Cyan (53%)
- Magenta (37%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4874, 33.1871, 58.8317 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 30.4874, 33.1871, 58.8317 by changing the saturation by 10% instead.

■ 30.4874, 33.1871,
58.8317

■ 30.4874, 33.1871,
58.8317

296.0390,
316.4920, 437.9624

■ 20.3587, 22.2698,
42.0585

■ 59.8135, 64.6675,
104.6597

■ 12.7659, 14.0553,
28.8212

■ 79.7416, 85.9995,
134.5517

■ 7.3434, 8.1591,
18.7012

■ 103.6669,
111.5717, 169.6536

■ 3.7260, 4.1969,
11.2800

131.9548,
141.7687, 210.3841

■ 1.5483, 1.7843,
6.1389

164.9706,
176.9749, 257.1617

■ 0.3584, 0.4774,
2.8596

203.0797,

■ 0.0000, 0.0000,

217.5745, 310.4050

1.0234

246.6473,
263.9521, 370.5323

■ 0.0000, 0.0000,
0.0000

■ 30.4874, 33.1871,
58.8317

■ 30.4874, 33.1871,
58.8317

■ 26.4204, 28.6912,
58.1788

■ 35.2596, 38.2429,
59.5566

■ 23.0164, 24.7267,
57.5930

■ 40.7696, 43.8773,
60.3538

■ 20.2334, 21.2682,
57.0722

■ 47.0515, 50.1130,
61.2263

■ 18.0225, 18.2858,
56.6130

■ 54.1364, 56.9699,
62.1764

■ 16.3262, 15.7448,
56.2120

■ 62.0535, 64.4671,
63.2062

■ 15.0592, 13.6242,
55.8694

■ 70.8306, 72.6225,
64.3178

■ 79.2678, 80.8214,
65.4556

■ 82.0107, 86.3071,
66.3699

■ 84.9056, 92.0969,
67.3349

Harmonies

Analogous

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



27.4689, 33.1871, 53.3491



30.4874, 33.1871, 58.8317



34.0194, 33.1871, 57.4137

Triad

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



30.4874, 33.1871, 58.8317



38.2914, 33.1871, 29.6532



26.5801, 33.1871, 25.2480

Complementary

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



30.4874, 33.1871, 58.8317



39.1106, 37.9286, 22.7136

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.



29.1904, 33.1871, 20.8949



30.4874, 33.1871, 58.8317



36.0020, 33.1871, 23.0905

Square

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



30.4874, 33.1871, 58.8317



38.7033, 33.1871, 39.2807



32.6234, 33.1871, 20.1862



25.3258, 33.1871, 33.1621

Rectangle

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



30.4874, 33.1871, 58.8317



36.1828, 33.1871, 52.8359



32.6234, 33.1871, 20.1862



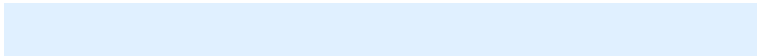
27.3185, 33.1871, 23.3863

Sweetspot

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



30.4885, 33.1884, 58.8325



80.0990, 85.5002, 106.8893



34.1750, 47.2267, 39.5131



16.8232, 17.9836, 22.8345



0.0000, 0.0000, 0.0000



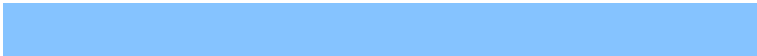
20.3446, 21.4041, 23.3091

Same Dimension

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



30.4885, 33.1884, 58.8325



47.2491, 51.3526, 102.0295



24.6743, 21.5599, 56.8944



10.4986, 11.1713, 13.5204



9.7713, 8.9366, 35.9543



0.5350, 0.5678, 1.7265

Inverse Universe

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



36.4961, 27.8750, 36.7159



59.4606, 41.8808, 56.7759



47.0016, 53.7106, 25.3439



10.8569, 10.7262, 12.2300



16.7314, 8.4421, 9.0616



0.8287, 0.4143, 0.6214

Previews

White Background



This preview shows how the XYZ color 30.4874, 33.1871, 58.8317 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 30.4874, 33.1871, 58.8317 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 30.4874, 33.1871, 58.8317

Background



This preview shows how black text looks on a background with the XYZ color 30.4874, 33.1871, 58.8317.



This preview shows how white text looks on a background with the XYZ color 30.4874, 33.1871,

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

30.4874, 33.1871, 58.8317

Protanopia

33.2600, 33.1623, 56.2777

Deuteranopia

33.7879, 33.1105, 59.8685



Tritanopia

28.0213, 33.2360, 46.5333

Trichromacy



Original Color

30.4874, 33.1871, 58.8317

Protanomaly

32.0056, 32.9967, 56.9067

Deuteranomaly

32.4671, 33.1813, 59.3370

Tritanomaly

28.9244, 33.3420, 50.8101

Monochromacy



Original Color

30.4874, 33.1871, 58.8317

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.6980, 31.8827, 42.1248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4874, 33.1871, 58.8317 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(119, 160, 199)` looks like.

```
.text, #text, p{  
    color:rgb(119, 160, 199)  
}
```

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(119, 160, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 160, 199) }
```

Border

The CSS property to change the border of an element to XYZ 30.4874, 33.1871, 58.8317 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(119, 160, 199) }
```


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

```
.border{ border-color:rgb(119, 160, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 160, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 160, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 160, 199);  
box-shadow:4px 4px 4px 4px rgb(119, 160,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4874, 33.1871, 58.8317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 160, 199) }
```

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

```
.background{ background-color: rgb(119,  
160, 199) }
```

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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