

Converting Colors

XYZ(31.0527, 33.4819, 82.4243)

Have a look what the booklet for
XYZ(31.0527, 33.4819, 82.4243)
contains.

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Color

**XYZ(31.0799, 33.4866,
82.6674)**

Conversions

Conversions Part 1

Format	Color
Hex	50A2EA
RGB	80, 162, 234
RGB Percent	31%, 64%, 92%
CMY	0.6862, 0.3647, 0.0823
CMYK	0.66, 0.31, 0.00, 0.08
HSL	208°, 79%, 62%
HSV	208°, 66%, 92%
XYZ	31.0799, 33.4866, 82.6674
YIQ	145.6900, -71.9840, 5.0080

Conversions

Conversions Part 2

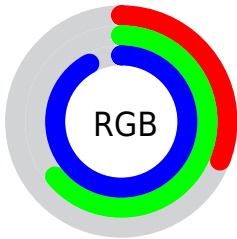
Format	Color
R _{YB}	80, 134, 234
Decimal	5284586
CIE Lab	64.55, -2.74, -43.57
CIE LCh	65, 43.656, 266.399
Yxy	33.4866, 0.2111, 0.2274
Android (android.graphics.Color)	4283474666 (0xFF50A2EA)
YUV	145.6900, 43.5368, -57.6101
Hunter-Lab	57.8676, -5.3984, -44.1920

Details

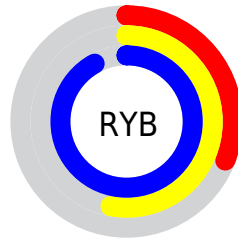
The XYZ color **31.0799, 33.4866, 82.6674** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **46.6100, 40.5313, 12.9580**, and the grayscale version is **27.0451, 28.4535, 30.9859**.

A 20% lighter version of the original color is **54.1905, 62.6853, 103.8511**, and **13.7203, 14.5832, 44.2112** is the 20% darker color. If you saturate the color by 10%, you get **27.5930, 28.9518, 81.9766**, and if you desaturate by 10%, it is **35.4246, 38.7135, 83.4480**.

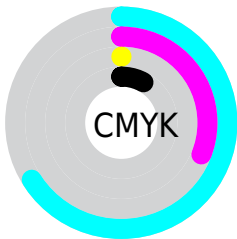
Distribution



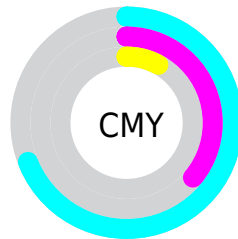
- Red (31%)
- Green (64%)
- Blue (92%)



- Red (31%)
- Yellow (53%)
- Blue (92%)



- Cyan (66%)
- Magenta (31%)
- Yellow (0%)
- Black (8%)



- Cyan (69%)
- Magenta (36%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0799, 33.4866, 82.6674 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 31.0799, 33.4866, 82.6674 by changing the saturation by 10% instead.

■ 31.0799, 33.4866,
82.6674

■ 31.0799, 33.4866,
82.6674

298.7266,
317.8367, 523.8193

■ 20.8118, 22.4995,
61.3768

■ 60.7408, 65.1345,
138.9546

■ 13.0982, 14.2244,
44.0968

■ 80.8644, 86.5640,
174.7883

■ 7.5737, 8.2769,
30.4089

■ 105.0038,
112.2432, 216.3067

■ 3.8729, 4.2726,
19.8944

■ 133.5245,
142.5563, 263.9284

■ 1.6305, 1.8272,
12.1350

166.7917,
177.8879, 318.0720

■ 0.4121, 0.5040,
6.7120

205.1709,

■ 0.0000, 0.0000,

218.6222, 379.1560

3.2070

249.0274,
265.1437, 447.5989

■ 0.0000, 0.0000,
1.2013

■ 0.0000, 0.0000,
0.0000

■ 31.0799, 33.4866,
82.6674

■ 31.0799, 33.4866,
82.6674

■ 27.5930, 28.9518,
81.9766

■ 35.4246, 38.7135,
83.4480

■ 24.8810, 25.0587,
81.3681

■ 40.6918, 44.6705,
84.3202

■ 22.8481, 21.7517,
80.8369

■ 46.9435, 51.3960,
85.2888

■ 22.1336, 20.5049,
80.6339

■ 54.2350, 58.9240,
86.3576

■ 62.6171, 67.2864,
87.5299

■ 72.1372, 76.5128,
88.8090

■ 82.8397, 86.6314,
90.1980

■ 90.1306, 95.2789,
91.4829

■ 91.8514, 98.7206,
92.0565

Harmonies

Analogous

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



25.6356, 33.4866, 73.2515



31.0799, 33.4866, 82.6674



37.4699, 33.4866, 76.7440

Triad

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



31.0799, 33.4866, 82.6674



43.8382, 33.4866, 23.2108



22.8391, 33.4866, 20.5514

Complementary

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



31.0799, 33.4866, 82.6674



46.6100, 40.5313, 12.9580

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.



26.7829, 33.4866, 13.5210



31.0799, 33.4866, 82.6674



38.9450, 33.4866, 14.6666

Square

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



31.0799, 33.4866, 82.6674



45.3764, 33.4866, 38.6637



32.5880, 33.4866, 11.7854



21.2868, 33.4866, 34.3440

Rectangle

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



31.0799, 33.4866, 82.6674



41.3376, 33.4866, 65.6845



32.5880, 33.4866, 11.7854



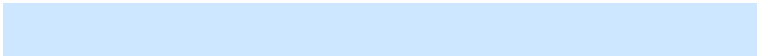
23.9016, 33.4866, 17.5182

Sweetspot

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



31.0811, 33.4877, 82.6682



71.5711, 77.2959, 105.7551



38.3892, 62.8149, 39.7521



14.7092, 15.9346, 22.5504



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.



31.0811, 33.4877, 82.6682



32.2592, 33.4157, 99.3574



21.4202, 14.1660, 79.4479



14.8953, 15.8770, 19.2018



12.5650, 11.7771, 45.3539



1.0828, 1.1172, 3.5934

Inverse Universe

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



43.3231, 25.8400, 36.8875



48.9547, 26.4232, 36.1510



63.3631, 74.0375, 18.5424



15.4007, 15.1881, 17.3954



21.1975, 10.6817, 12.1075



1.7131, 0.8582, 1.2064

Previews

White Background



This preview shows how the XYZ color 31.0799, 33.4866, 82.6674 looks on a white background.

Color Contrast Check

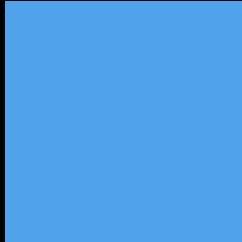
Large Text (above 18pt) WCAG AA × Fail

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 31.0799, 33.4866, 82.6674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

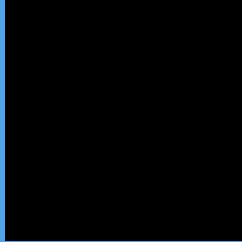
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0799, 33.4866, 82.6674

Background



This preview shows how black text looks on a background with the XYZ color 31.0799, 33.4866, 82.6674.

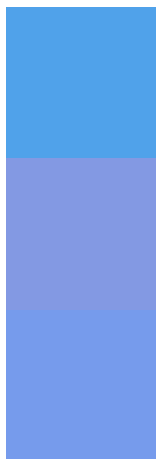


This preview shows how white text looks on a background with the XYZ color 31.0799, 33.4866,

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

31.0799, 33.4866, 82.6674

Protanopia

34.6164, 33.1538, 77.2479

Deuteranopia

34.3329, 33.3504, 83.9846



Tritanopia

24.6851, 33.3324, 51.0317

Trichromacy



Original Color

31.0799, 33.4866, 82.6674

Protanomaly

32.8535, 32.9348, 79.4884

Deuteranomaly

32.9312, 33.3949, 83.3075

Tritanomaly

26.7687, 33.3412, 61.5245

Monochromacy



Original Color

31.0799, 33.4866, 82.6674

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.2902, 29.8084, 46.4347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0799, 33.4866, 82.6674 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(80, 162, 234)` looks like.

```
.text, #text, p{  
    color:rgb(80, 162, 234)  
}
```

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(80, 162, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 162, 234) }
```

Border

The CSS property to change the border of an element to XYZ 31.0799, 33.4866, 82.6674 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(80, 162, 234) }
```


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

```
.border{ border-color:rgb(80, 162, 234) }
```

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

Here you see how a box with a 4 pixel rgb(80, 162, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 162, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 162, 234);  
box-shadow:4px 4px 4px 4px rgb(80, 162,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0799, 33.4866, 82.6674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 162, 234) }
```

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

```
.background{ background-color: rgb(80, 162,  
234) }
```

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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