

Converting Colors

XYZ(30.9963, 33.4433, 50.1356)

Have a look what the booklet for
XYZ(30.9963, 33.4433, 50.1356)
contains.

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Color

**XYZ(31.0415, 33.4079,
50.1597)**

Conversions

Conversions Part 1

Format	Color
Hex	879FB8
RGB	135, 159, 184
RGB Percent	53%, 62%, 72%
CMY	0.4706, 0.3765, 0.2784
CMYK	0.27, 0.14, 0.00, 0.28
HSL	211°, 26%, 63%
HSV	211°, 27%, 72%
XYZ	31.0415, 33.4079, 50.1597
YIQ	154.6740, -22.3290, 2.6870

Conversions

Conversions Part 2

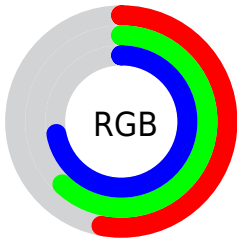
Format	Color
R_{YB}	135, 151, 184
Decimal	8888248
CIE _{Lab}	64.49, -2.61, -15.69
CIE _{LCh}	64, 15.905, 260.549
Yxy	33.4079, 0.2708, 0.2915
Android (android.graphics.Color)	4287078328 (0xFF879FB8)
YUV	154.6740, 14.4577, -17.2541
Hunter-Lab	57.7996, -5.2851, -10.9934

Details

The XYZ color **31.0415, 33.4079, 50.1597** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7114, 37.0812, 28.1448**, and the grayscale version is **30.9578, 32.5700, 35.4687**.

A 20% lighter version of the original color is **60.7610, 65.2032, 91.8211**, and **13.1155, 14.2486, 23.5317** is the 20% darker color. If you saturate the color by 10%, you get **26.7798, 28.9056, 49.5158**, and if you desaturate by 10%, it is **35.9395, 38.4219, 50.8699**.

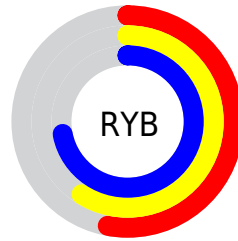
Distribution



Red (53%)

Green (62%)

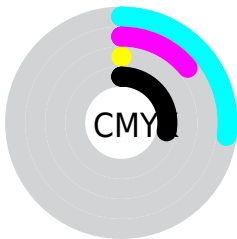
Blue (72%)



Red (53%)

Yellow (59%)

Blue (72%)

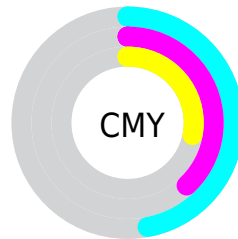


Cyan (27%)

Magenta (14%)

Yellow (0%)

Black (28%)



Cyan (47%)

Magenta (38%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0415, 33.4079, 50.1597 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 31.0415, 33.4079, 50.1597 by changing the saturation by 10% instead.

■ 31.0415, 33.4079,
50.1597

■ 31.0415, 33.4079,
50.1597

298.5529,
317.4838, 404.0431

■ 20.7824, 22.4391,
35.1682

■ 60.6808, 65.0118,
91.8102

■ 13.0766, 14.1799,
23.5079

■ 80.7917, 86.4158,
119.3063

■ 7.5587, 8.2459,
14.7602

■ 104.9174,
112.0669, 151.8077

■ 3.8633, 4.2527,
8.5065

133.4230,
142.3496, 189.7329

■ 1.6251, 1.8159,
4.3283

166.6740,
177.6482, 233.5006

■ 0.4087, 0.4971,
1.8071

205.0358,

■ 0.0000, 0.0000,

218.3472, 283.5291

0.4327

248.8736,
264.8309, 340.2371

■ 0.0000, 0.0000,
0.0000

■ 31.0415, 33.4079,
50.1597

■ 31.0415, 33.4079,
50.1597

■ 26.7798, 28.9056,
49.5158

■ 35.9395, 38.4219,
50.8699

■ 23.1223, 24.8919,
48.9339

■ 41.4978, 43.9613,
51.6462

■ 20.0385, 21.3478,
48.4124

■ 47.7428, 50.0445,
52.4912

■ 17.4939, 18.2513,
47.9488

■ 54.6985, 56.6873,
53.4068

■ 15.4498, 15.5777,
47.5405

■ 62.3877, 63.9051,
54.3947

■ 13.8616, 13.2995,
47.1844

■ 70.8321, 71.7126,
55.4566

■ 12.6697, 11.3812,
46.8770

■ 76.7395, 78.4160,
56.4392

■ 12.3190, 10.7951,
46.7823

■ 79.3431, 83.6233,
57.3070

■ 82.0884, 89.1138,
58.2221

Harmonies

Analogous

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



29.0584, 33.4079, 46.9126



31.0415, 33.4079, 50.1597



33.3108, 33.4079, 49.3882

Triad

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



31.0415, 33.4079, 50.1597



36.0204, 33.4079, 32.1598



28.4991, 33.4079, 28.9932

Complementary

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



31.0415, 33.4079, 50.1597



36.7114, 37.0812, 28.1448

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.



30.2449, 33.4079, 25.8764



31.0415, 33.4079, 50.1597



34.6097, 33.4079, 27.5477

Square

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



31.0415, 33.4079, 50.1597



36.2586, 33.4079, 38.4681



32.4757, 33.4079, 25.3808



27.6374, 33.4079, 34.3602

Rectangle

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



31.0415, 33.4079, 50.1597



34.6776, 33.4079, 46.7304



32.4757, 33.4079, 25.3808



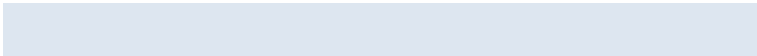
28.9980, 33.4079, 27.6758

Sweetspot

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



31.0425, 33.4092, 50.1605



73.6314, 78.1185, 93.4022



33.4343, 41.9531, 39.3651



15.5365, 16.5072, 20.0890



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.0425, 33.4092, 50.1605



51.5732, 55.6319, 90.2244



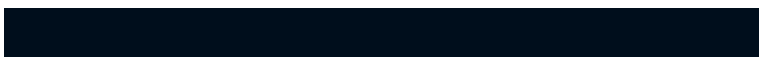
27.3080, 25.9402, 48.9156



8.8745, 9.4263, 11.4312



8.5605, 7.5808, 32.2651



0.3638, 0.3912, 1.1581

Inverse Universe

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



34.6899, 30.0223, 36.7690



59.4218, 48.8625, 61.2921



41.2814, 46.2212, 29.6682



9.1830, 9.0836, 10.3112



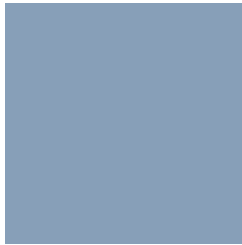
14.9346, 7.5476, 7.5426



0.5578, 0.2786, 0.4306

Previews

White Background



This preview shows how the XYZ color 31.0415, 33.4079, 50.1597 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 31.0415, 33.4079, 50.1597 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

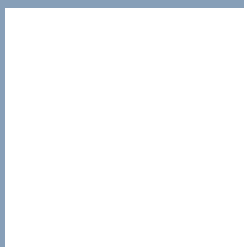
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0415, 33.4079, 50.1597

Background



This preview shows how black text looks on a background with the XYZ color 31.0415, 33.4079, 50.1597.



This preview shows how white text looks on a background with the XYZ color 31.0415, 33.4079,

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

31.0415, 33.4079, 50.1597

Protanopia

32.8243, 33.3582, 48.4248

Deuteranopia

33.8898, 33.1274, 50.5070



Tritanopia

30.0577, 33.5323, 44.9326

Trichromacy



Original Color

31.0415, 33.4079, 50.1597

Protanomaly

32.0090, 33.1741, 48.9721

Deuteranomaly

32.8727, 33.3350, 50.6007

Tritanomaly

30.4382, 33.4243, 46.9667

Monochromacy



Original Color

31.0415, 33.4079, 50.1597

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9841, 32.8260, 40.7794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0415, 33.4079, 50.1597 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(135, 159, 184)` looks like.

```
.text, #text, p{  
    color:rgb(135, 159, 184)  
}
```

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(135, 159, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 159, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.0415, 33.4079, 50.1597 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(135, 159, 184) }
```


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

```
.border{ border-color:rgb(135, 159, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 159, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 159, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 159, 184);  
box-shadow:4px 4px 4px 4px rgb(135, 159,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0415, 33.4079, 50.1597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 159, 184) }
```

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

```
.background{ background-color: rgb(135,  
159, 184) }
```

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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