

Converting Colors

XYZ(54.7218, 33.1445,
119.1329)

Have a look what the booklet for
XYZ(54.7218, 33.1445, 119.1329)
contains.

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Color

**XYZ(50.8331, 31.6193,
98.0317)**

Conversions

Conversions Part 1

Format	Color
Hex	D669FF
RGB	214, 105, 255
RGB Percent	84%, 41%, 100%
CMY	0.1608, 0.5882, 0.0000
CMYK	0.16, 0.59, 0.00, 0.00
HSL	284°, 100%, 71%
HSV	284°, 59%, 100%
XYZ	50.8331, 31.6193, 98.0317
YIQ	154.6910, 16.8140, 69.7580

Conversions

Conversions Part 2

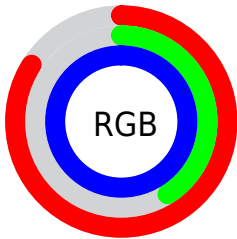
Format	Color
R _Y B	214, 105, 255
Decimal	14051839
CIE Lab	63.03, 65.22, -56.87
CIE LCh	63, 86.534, 318.914
Yxy	31.6193, 0.2816, 0.1752
Android (android.graphics.Color)	4292241919 (0xFFD669FF)
YUV	154.6910, 49.4523, 52.0140
Hunter-Lab	56.2310, 62.9604, -64.0029

Details

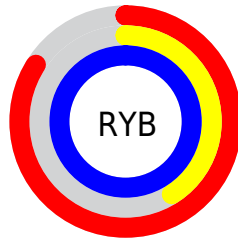
The XYZ color **50.8331, 31.6193, 98.0317** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **50.1645, 78.6512, 25.9031**, and the grayscale version is **30.8040, 32.4083, 35.2926**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **24.8453, 13.2130, 54.0642** is the 20% darker color. If you saturate the color by 10%, you get **46.6237, 26.1551, 97.1988**, and if you desaturate by 10%, it is **55.9102, 38.6876, 99.1284**.

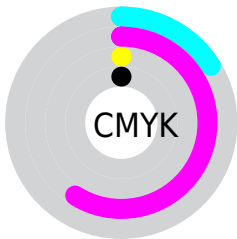
Distribution



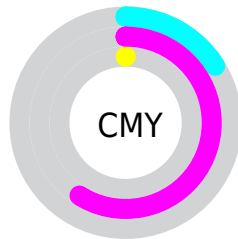
- Red (84%)
- Green (41%)
- Blue (100%)



- Red (84%)
- Yellow (41%)
- Blue (100%)



- Cyan (16%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8331, 31.6193, 98.0317 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 50.8331, 31.6193, 98.0317 by changing the saturation by 10% instead.


 50.8331, 31.6193,
98.0317

 50.8331, 31.6193,
98.0317


380.3134,
309.3814, 575.0562


 36.2963, 21.0709,
74.0501


 90.5925, 62.2138,
160.4779


 24.8343, 13.1758,
54.3380

 116.5458, 83.0287,
199.7794

 16.0817, 7.5497,
38.4769

 147.0353,
108.0345, 245.0248

 9.6732, 3.8082,
26.0483

 182.4263,
137.6156, 296.6323

 5.2434, 1.5669,
16.6337

223.0843,
172.1565, 355.0207

 2.4270, 0.3351,
9.8145

269.3746,

 0.8586, 0.0000,

212.0415, 420.6085

5.1721

321.6625,
257.6550, 493.8141

■ 0.0000, 0.0000,
2.2881

■ 0.0000, 0.0000,
0.7246

■ 50.8331, 31.6193,
98.0317

■ 50.8331, 31.6193,
98.0317

■ 46.6237, 26.1551,
97.1988

■ 55.9102, 38.6876,
99.1284

■ 43.2055, 22.1467,
96.6053

■ 61.9157, 47.4829,
100.5095

■ 40.4933, 19.4243,
96.2228

■ 68.9085, 58.1204,
102.1942

■ 38.3622, 17.7397,
96.0099

■ 76.9412, 70.7041,
104.1998

■ 38.1305, 17.5719,
95.9898

■ 86.0628, 85.3301,
106.5421

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



38.1058, 31.6193, 141.2295



50.8331, 31.6193, 98.0317



58.5988, 31.6193, 48.6431

Triad

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



50.8331, 31.6193, 98.0317



34.6756, 31.6193, 1.8411



13.1759, 31.6193, 60.3690

Complementary

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



50.8331, 31.6193, 98.0317



50.1645, 78.6512, 25.9031

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.



12.7143, 31.6193, 23.2932



50.8331, 31.6193, 98.0317



23.2233, 31.6193, 2.1902

Square

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



50.8331, 31.6193, 98.0317



47.7581, 31.6193, 4.8775



15.8843, 31.6193, 6.8089



17.3742, 31.6193, 111.3125

Rectangle

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



50.8331, 31.6193, 98.0317



58.8343, 31.6193, 25.2309



15.8843, 31.6193, 6.8089



12.6296, 31.6193, 45.6259

Sweetspot

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



50.8343, 31.6206, 98.0319



77.6491, 71.8278, 104.3793



34.3884, 31.2478, 98.8267



16.0906, 14.5357, 22.2076



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.



50.8343, 31.6206, 98.0319



45.8144, 25.1633, 97.0501



59.5441, 36.6649, 73.3985



18.2801, 18.0361, 22.7678



20.0750, 9.2595, 50.1638



2.0597, 0.9558, 4.8892

Inverse Universe

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



51.4805, 33.4395, 30.9362



47.2879, 27.5919, 21.7156



46.1378, 76.3442, 36.1609



18.2133, 18.0686, 19.7405



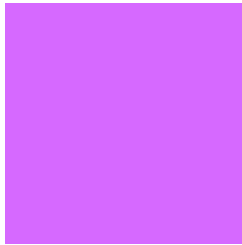
22.1748, 11.3592, 4.3050



2.2027, 1.1234, 0.6486

Previews

White Background



This preview shows how the XYZ color 50.8331, 31.6193, 98.0317 looks on a white background.

Color Contrast Check

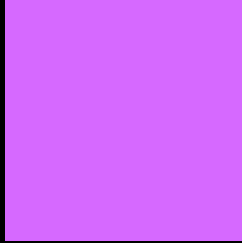
Large Text (above 18pt) WCAG AA × Fail

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 50.8331, 31.6193, 98.0317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

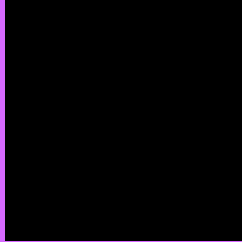
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8331, 31.6193, 98.0317

Background



This preview shows how black text looks on a background with the XYZ color 50.8331, 31.6193, 98.0317.



This preview shows how white text looks on a background with the XYZ color 50.8331, 31.6193,

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

50.8331, 31.6193, 98.0317

Protanopia

34.8609, 31.8407, 98.9162

Deuteranopia

32.9556, 31.9777, 91.6241



Tritanopia

37.0635, 31.3780, 30.8912

Trichromacy



Original Color

50.8331, 31.6193, 98.0317



Protanomaly

38.2916, 30.1060, 98.4006



Deuteranomaly

36.7183, 30.0233, 93.4823



Tritanomaly

40.8664, 30.7555, 49.6814

Monochromacy



Original Color

50.8331, 31.6193, 98.0317



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

36.2541, 30.8830, 53.3404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8331, 31.6193, 98.0317 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(214, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 105, 255)  
}
```

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(214, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 105, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.8331, 31.6193, 98.0317 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(214, 105, 255) }
```


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

```
.border{ border-color:rgb(214, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 105,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8331, 31.6193, 98.0317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 105, 255) }
```

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

```
.background{ background-color: rgb(214,  
105, 255) }
```

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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