

Converting Colors

XYZ(49.9752, 32.3064,
111.0185)

Have a look what the booklet for
XYZ(49.9752, 32.3064, 111.0185)
contains.

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Color

**XYZ(47.6205, 31.3967,
98.1580)**

Conversions

Conversions Part 1

Format	Color
Hex	C772FF
RGB	199, 114, 255
RGB Percent	78%, 45%, 100%
CMY	0.2196, 0.5529, 0.0000
CMYK	0.22, 0.55, 0.00, 0.00
HSL	276°, 100%, 72%
HSV	276°, 55%, 100%
XYZ	47.6205, 31.3967, 98.1580
YIQ	155.4890, 5.3990, 61.8710

Conversions

Conversions Part 2

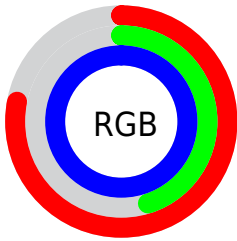
Format	Color
RYB	199, 114, 255
Decimal	13071103
CIELab	62.84, 57.29, -57.27
CIELCh	63, 81.006, 315.008
Yxy	31.3967, 0.2688, 0.1772
Android (android.graphics.Color)	4291261183 (0xFFC772FF)
YUV	155.4890, 49.0589, 38.1591
Hunter-Lab	56.0328, 53.6443, -64.6411

Details

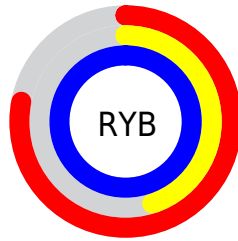
The XYZ color **47.6205, 31.3967, 98.1580** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **55.3751, 81.2811, 28.6908**, and the grayscale version is **31.1610, 32.7838, 35.7015**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **22.9021, 13.1195, 54.1486** is the 20% darker color. If you saturate the color by 10%, you get **42.5366, 25.0853, 97.2078**, and if you desaturate by 10%, it is **53.6871, 39.4057, 99.3842**.

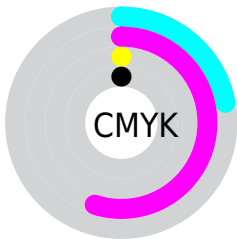
Distribution



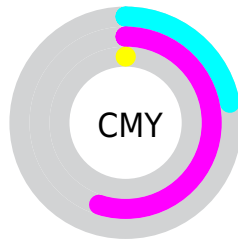
- Red (78%)
- Green (45%)
- Blue (100%)



- Red (78%)
- Yellow (45%)
- Blue (100%)



- Cyan (22%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6205, 31.3967, 98.1580 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 47.6205, 31.3967, 98.1580 by changing the saturation by 10% instead.


 47.6205, 31.3967,
98.1580

 47.6205, 31.3967,
98.1580


367.8936,
308.3618, 575.4669


 33.7365, 20.9011,
74.1548

 85.8522, 61.8641,
160.6533

 22.8531, 13.0517,
54.4232


 110.9306, 82.6047,
199.9824

 14.6052, 7.4642,
38.5446


 140.4711,
107.5291, 245.2573

 8.6273, 3.7541,
26.1006

174.8392,
137.0217, 296.8965

 4.5540, 1.5370,
16.6724

214.4001,
171.4668, 355.3185

 2.0201, 0.3145,
9.8417

259.5192,

 0.6452, 0.0000,

211.2490, 420.9419

5.1899

310.5619,
256.7525, 494.1852

■ 0.0000, 0.0000,
2.2984

■ 0.0000, 0.0000,
0.7303

■ 47.6205, 31.3967,
98.1580

■ 47.6205, 31.3967,
98.1580

■ 42.5366, 25.0853,
97.2078

■ 53.6871, 39.4057,
99.3842

■ 38.3600, 20.3291,
96.5099

■ 60.7967, 49.2315,
100.9060

■ 35.0083, 16.9678,
96.0377

■ 69.0088, 60.9868,
102.7422

■ 32.3794, 14.8023,
95.7583

■ 78.3766, 74.7735,
104.9096

■ 31.3244, 14.0632,
95.6712

■ 88.9499, 90.6865,
107.4238

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.



35.7158, 31.3967, 133.7156



47.6205, 31.3967, 98.1580



55.5661, 31.3967, 52.5582

Triad

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



47.6205, 31.3967, 98.1580



35.7094, 31.3967, 2.6124



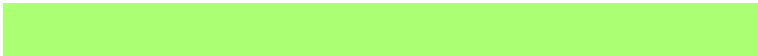
13.6109, 31.3967, 52.5797

Complementary

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



47.6205, 31.3967, 98.1580



55.3751, 81.2811, 28.6908

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.



13.6101, 31.3967, 20.6876



47.6205, 31.3967, 98.1580



24.6497, 31.3967, 2.6132

Square

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



47.6205, 31.3967, 98.1580



47.6149, 31.3967, 6.6204



17.1510, 31.3967, 6.6244



17.1538, 31.3967, 98.1818

Rectangle

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



47.6205, 31.3967, 98.1580



56.5479, 31.3967, 29.1234



17.1510, 31.3967, 6.6244



13.2315, 31.3967, 39.8030

Sweetspot

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



47.6217, 31.3979, 98.1582



76.6933, 72.2719, 104.5154



39.4401, 39.6980, 100.1915



16.0011, 14.8559, 22.2741



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.



47.6217, 31.3979, 98.1582



42.2123, 24.6995, 97.1504



63.1200, 39.6403, 87.4656



18.0537, 17.9194, 22.7572



16.5406, 7.4375, 49.9984



1.7336, 0.7876, 4.8739

Inverse Universe

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



54.5134, 36.1977, 42.1440



50.4185, 30.3457, 33.5716



46.6029, 76.6589, 32.7980



18.3082, 18.1066, 20.2400



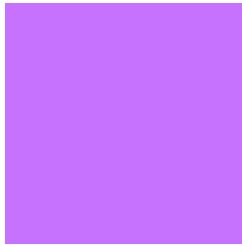
22.8517, 11.6300, 7.8697



2.2771, 1.1532, 1.0404

Previews

White Background



This preview shows how the XYZ color 47.6205, 31.3967, 98.1580 looks on a white background.

Color Contrast Check

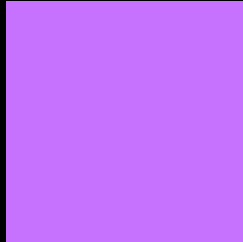
Large Text (above 18pt) WCAG AA × Fail

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 47.6205, 31.3967, 98.1580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

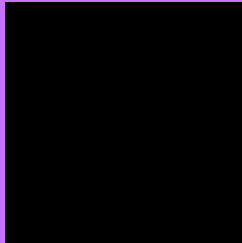
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6205, 31.3967, 98.1580

Background



This preview shows how black text looks on a background with the XYZ color 47.6205, 31.3967, 98.1580.

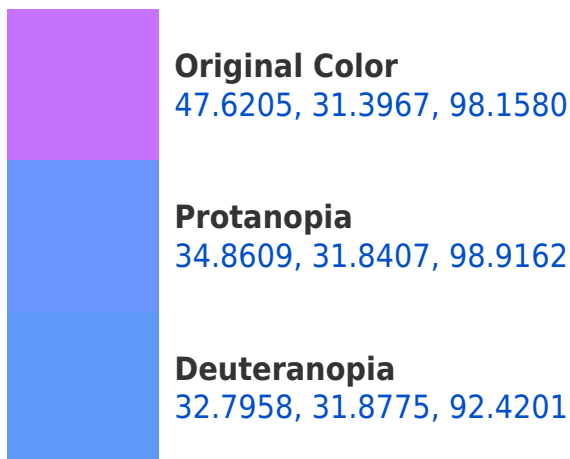


This preview shows how white text looks on a background with the XYZ color 47.6205, 31.3967,

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





Tritanopia

34.4838, 31.2618, 33.9224

Trichromacy



Original Color

47.6205, 31.3967, 98.1580



Protanomaly

37.6694, 30.4038, 98.4909



Deuteranomaly

36.0037, 30.2729, 94.3881



Tritanomaly

38.0406, 30.5981, 52.0452

Monochromacy



Original Color

47.6205, 31.3967, 98.1580



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

35.5766, 31.1757, 53.4326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6205, 31.3967, 98.1580 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(199, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 114, 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(199, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 114, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.6205, 31.3967, 98.1580 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(199, 114, 255) }
```


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

```
.border{ border-color:rgb(199, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 114,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6205, 31.3967, 98.1580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 114, 255) }
```

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

```
.background{ background-color: rgb(199,  
114, 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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