

Converting Colors

XYZ(49.4123, 32.3938,
113.0090)

Have a look what the booklet for
XYZ(49.4123, 32.3938, 113.0090)
contains.

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Color

**XYZ(46.5435, 31.1801,
98.1730)**

Conversions

Conversions Part 1

Format	Color
Hex	C274FF
RGB	194, 116, 255
RGB Percent	76%, 45%, 100%
CMY	0.2392, 0.5451, 0.0000
CMYK	0.24, 0.55, 0.00, 0.00
HSL	274°, 100%, 73%
HSV	274°, 55%, 100%
XYZ	46.5435, 31.1801, 98.1730
YIQ	155.1680, 1.8690, 59.7650

Conversions

Conversions Part 2

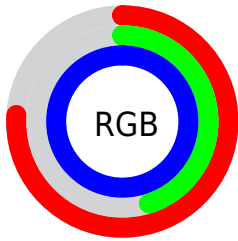
Format	Color
RYB	194, 116, 255
Decimal	12743935
CIELab	62.66, 55.05, -57.60
CIElCh	63, 79.676, 313.708
Yxy	31.1801, 0.2646, 0.1773
Android (android.graphics.Color)	4290934015 (0xFFC274FF)
YUV	155.1680, 49.2172, 34.0557
Hunter-Lab	55.8391, 51.0663, -65.1527

Details

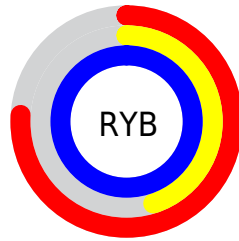
The XYZ color **46.5435, 31.1801, 98.1730** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **57.0441, 82.1282, 29.3698**, and the grayscale version is **31.0196, 32.6350, 35.5396**.

A 20% lighter version of the original color is **72.9327, 56.8521, 101.7373**, and **22.1721, 12.9046, 54.1456** is the 20% darker color. If you saturate the color by 10%, you get **41.2326, 24.6618, 97.1948**, and if you desaturate by 10%, it is **52.8795, 39.4252, 99.4305**.

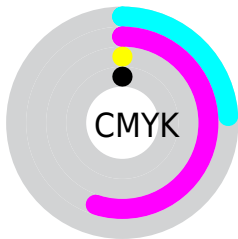
Distribution



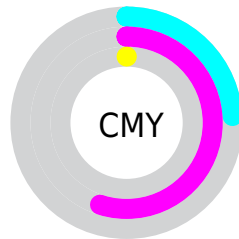
- Red (76%)
- Green (45%)
- Blue (100%)



- Red (76%)
- Yellow (45%)
- Blue (100%)



- Cyan (24%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5435, 31.1801, 98.1730 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 46.5435, 31.1801, 98.1730 by changing the saturation by 10% instead.


 46.5435, 31.1801,
98.1730


 46.5435, 31.1801,
98.1730


363.6688,
307.3672, 575.5157

 32.8814, 20.7360,
74.1673


 84.2547, 61.5235,
160.6741

 22.1944, 12.9312,
54.4333


 109.0345, 82.1916,
200.0065

 14.1172, 7.3812,
38.5527


 138.2508,
107.0366, 245.2850

 8.2845, 3.7016,
26.1068


172.2691,
136.4427, 296.9279

 4.3308, 1.5081,
16.6770

211.4547,
170.7944, 355.3539

 1.8910, 0.2944,
9.8450

256.1730,

 0.5716, 0.0000,

210.4762, 420.9815

5.1920

306.7892,
255.8723, 494.2293

■ 0.0000, 0.0000,
2.2997

■ 0.0000, 0.0000,
0.7310

■ 46.5435, 31.1801,
98.1730

■ 46.5435, 31.1801,
98.1730

■ 41.2326, 24.6618,
97.1948

■ 52.8795, 39.4252,
99.4305

■ 36.8709, 19.7289,
96.4725

■ 60.3017, 49.5161,
100.9871

■ 33.3758, 16.2225,
95.9799

■ 68.8703, 61.5651,
102.8611

■ 30.6456, 13.9465,
95.6845

■ 78.6394, 75.6743,
105.0696

■ 29.3944, 13.0682,
95.5809

■ 89.6596, 91.9385,
107.6281

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.



34.8676, 31.1801, 131.5730



46.5435, 31.1801, 98.1730



54.5532, 31.1801, 53.6544

Triad

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



46.5435, 31.1801, 98.1730



35.8918, 31.1801, 2.8157



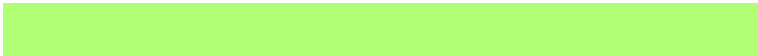
13.6193, 31.1801, 50.1949

Complementary

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



46.5435, 31.1801, 98.1730



57.0441, 82.1282, 29.3698

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.



13.7651, 31.1801, 19.7783



46.5435, 31.1801, 98.1730



24.9553, 31.1801, 2.6850

Square

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



46.5435, 31.1801, 98.1730



47.4496, 31.1801, 7.1173



17.4164, 31.1801, 6.4649



16.9531, 31.1801, 94.3506

Rectangle

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



46.5435, 31.1801, 98.1730



55.7564, 31.1801, 30.2254



17.4164, 31.1801, 6.4649



13.2936, 31.1801, 37.9683

Sweetspot

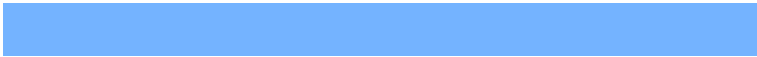
The Sweet Spot groups the original color and five complimentary colors.



46.5447, 31.1813, 98.1732



77.1041, 73.4354, 104.7184



41.2833, 42.9941, 100.7306



16.0596, 15.0735, 22.3130



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.



46.5447, 31.1813, 98.1732



40.9967, 24.3835, 97.1535



64.4368, 40.5320, 93.2750



17.9783, 17.8805, 22.7537



15.5337, 6.9184, 49.9513



1.6380, 0.7383, 4.8695

Inverse Universe

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



55.4216, 36.9259, 45.8016



51.3537, 31.0546, 37.4641



46.5351, 76.6621, 31.0681



18.3405, 18.1195, 20.4101



23.1462, 11.7478, 9.4203



2.3074, 1.1654, 1.2004

Previews

White Background



This preview shows how the XYZ color 46.5435, 31.1801, 98.1730 looks on a white background.

Color Contrast Check

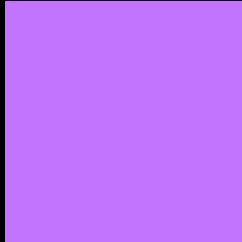
Large Text (above 18pt) WCAG AA × Fail

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 46.5435, 31.1801, 98.1730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

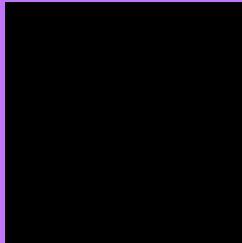
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5435, 31.1801, 98.1730

Background



This preview shows how black text looks on a background with the XYZ color 46.5435, 31.1801, 98.1730.



This preview shows how white text looks on a background with the XYZ color 46.5435, 31.1801,

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

46.5435, 31.1801, 98.1730

Protanopia

34.5838, 31.4640, 98.8581

Deuteranopia

32.5851, 31.5091, 93.1714



Tritanopia

33.5542, 30.9930, 34.3507

Trichromacy



Original Color

46.5435, 31.1801, 98.1730



Protanomaly

37.3354, 30.2316, 98.4752



Deuteranomaly

35.6985, 30.0974, 95.1947



Tritanomaly

37.2102, 30.5600, 52.6527

Monochromacy



Original Color

46.5435, 31.1801, 98.1730



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

35.2910, 31.2464, 53.4613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5435, 31.1801, 98.1730 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(194, 116, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 116, 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(194, 116, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 116, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.5435, 31.1801, 98.1730 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(194, 116, 255) }
```


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

```
.border{ border-color:rgb(194, 116, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 116, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 116, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 116, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 116,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5435, 31.1801, 98.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 116, 255) }
```

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

```
.background{ background-color: rgb(194,  
116, 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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