

Converting Colors

XYZ(46.5185, 31.5869, 97.6442)

Have a look what the booklet for
XYZ(46.5185, 31.5869, 97.6442)
contains.

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Color

**XYZ(46.3601, 31.4501,
97.3930)**

Conversions

Conversions Part 1

Format	Color
Hex	C176FE
RGB	193, 118, 254
RGB Percent	76%, 46%, 100%
CMY	0.2431, 0.5372, 0.0039
CMYK	0.24, 0.54, 0.00, 0.00
HSL	273°, 99%, 73%
HSV	273°, 54%, 100%
XYZ	46.3601, 31.4501, 97.3930
YIQ	155.9290, 1.0440, 58.1960

Conversions

Conversions Part 2

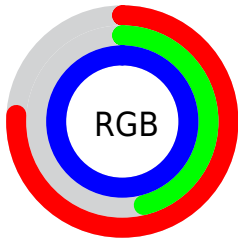
Format	Color
R _{YB}	193, 118, 254
Decimal	12678910
CIE Lab	62.89, 53.56, -56.69
CIE LCh	63, 77.991, 313.373
Yxy	31.4501, 0.2646, 0.1795
Android (android.graphics.Color)	4290868990 (0xFFC176FE)
YUV	155.9290, 48.3490, 32.5113
Hunter-Lab	56.0804, 49.4203, -63.7108

Details

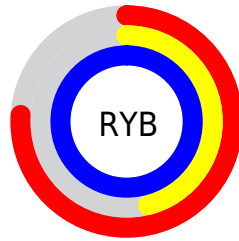
The XYZ color **46.3601, 31.4501, 97.3930** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **57.3030, 81.7761, 29.9048**, and the grayscale version is **31.3605, 32.9937, 35.9301**.

A 20% lighter version of the original color is **72.9474, 57.4205, 101.8463**, and **22.1796, 13.1619, 54.1948** is the 20% darker color. If you saturate the color by 10%, you get **40.9686, 24.8128, 96.3966**, and if you desaturate by 10%, it is **52.7830, 39.8154, 98.6697**.

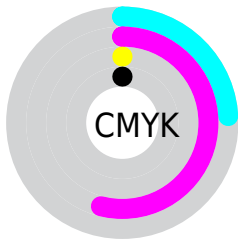
Distribution



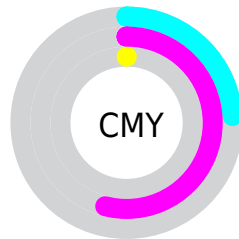
- Red (76%)
- Green (46%)
- Blue (100%)



- Red (76%)
- Yellow (46%)
- Blue (100%)



- Cyan (24%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3601, 31.4501, 97.3930 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 46.3601, 31.4501, 97.3930 by changing the saturation by 10% instead.


 46.3601, 31.4501,
97.3930


 46.3601, 31.4501,
97.3930

362.9462,
308.6066, 572.9767


 32.7359, 20.9418,
73.5204


 83.9822, 61.9480,
159.5904

 22.0825, 13.0815,
53.9072


 108.7109, 82.7065,
198.7523

 14.0345, 7.4847,
38.1348


 137.8717,
107.6504, 243.8478

 8.2265, 3.7670,
25.7847

171.8301,
137.1643, 295.2953

 4.2932, 1.5441,
16.4383

210.9514,
171.6324, 353.5134

 1.8693, 0.3195,
9.6771

255.6009,

 0.5589, 0.0000,

211.4392, 418.9206

5.0826

306.1441,
256.9692, 491.9356

■ 0.0000, 0.0000,
2.2362

■ 0.0000, 0.0000,
0.6952

■ 46.3601, 31.4501,
97.3930

■ 46.3601, 31.4501,
97.3930

■ 40.9686, 24.8128,
96.3966

■ 52.7830, 39.8154,
98.6697

■ 36.5334, 19.7647,
95.6560

■ 60.2972, 50.0254,
100.2444

■ 32.9739, 16.1509,
95.1460

■ 68.9622, 62.1904,
102.1358

■ 30.1912, 13.7815,
94.8354

■ 78.8314, 76.4110,
104.3605

■ 28.7174, 12.7378,
94.7116

■ 89.9551, 92.7806,
106.9338

94.8895, 99.9358,
108.0549

Harmonies

Analogous

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



34.9067, 31.4501, 129.4736



46.3601, 31.4501, 97.3930



54.2506, 31.4501, 54.0170

Triad

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



46.3601, 31.4501, 97.3930



36.1728, 31.4501, 3.1320



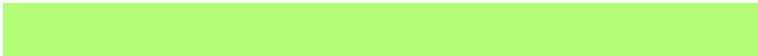
14.0143, 31.4501, 49.7557

Complementary

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



46.3601, 31.4501, 97.3930



57.3030, 81.7761, 29.9048

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.



14.1975, 31.4501, 20.0021



46.3601, 31.4501, 97.3930



25.3829, 31.4501, 2.9595

Square

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



46.3601, 31.4501, 97.3930



47.4756, 31.4501, 7.6285



17.8748, 31.4501, 6.7918



17.2950, 31.4501, 92.7214

Rectangle

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



46.3601, 31.4501, 97.3930



55.4865, 31.4501, 30.8935



17.8748, 31.4501, 6.7918



13.7016, 31.4501, 37.8280

Sweetspot

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



46.3614, 31.4513, 97.3937



76.9722, 73.3674, 104.7122



41.5219, 43.3290, 99.9414



16.0282, 15.0573, 22.3115



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.



46.3614, 31.4513, 97.3937



41.1042, 24.7605, 97.2206



64.1717, 40.7565, 92.6428



17.9608, 17.8715, 22.7529



15.3125, 6.8044, 49.9409



1.6168, 0.7274, 4.8685

Inverse Universe

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



55.4890, 37.2834, 46.9205



51.8413, 31.5963, 38.9633



46.6029, 76.2115, 31.5903



18.3480, 18.1225, 20.4498



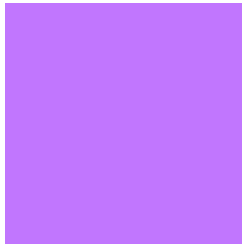
23.2197, 11.7772, 9.8072



2.3149, 1.1683, 1.2397

Previews

White Background



This preview shows how the XYZ color 46.3601, 31.4501, 97.3930 looks on a white background.

Color Contrast Check

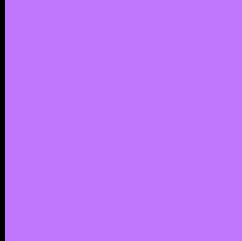
Large Text (above 18pt) WCAG AA × Fail

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 46.3601, 31.4501, 97.3930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

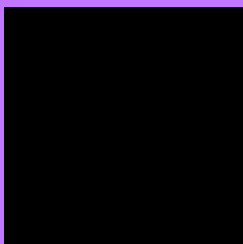
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3601, 31.4501, 97.3930

Background



This preview shows how black text looks on a background with the XYZ color 46.3601, 31.4501, 97.3930.



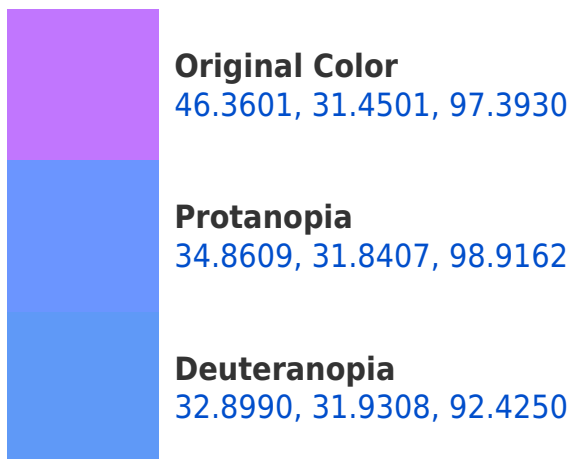
This preview shows how white text looks on a background with the XYZ color 46.3601, 31.4501,

97.3930.

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

33.5597, 31.2081, 34.8268

Trichromacy



Original Color

46.3601, 31.4501, 97.3930



Protanomaly

37.6197, 30.8002, 98.5700



Deuteranomaly

35.9935, 30.4836, 94.4293



Tritanomaly

37.1108, 30.7130, 52.6874

Monochromacy



Original Color

46.3601, 31.4501, 97.3930



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

35.5496, 31.5868, 54.0924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3601, 31.4501, 97.3930 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(193, 118, 254)` looks like.

```
.text, #text, p{  
    color:rgb(193, 118, 254)  
}
```

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(193, 118, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 118, 254) }
```

Border

The CSS property to change the border of an element to XYZ 46.3601, 31.4501, 97.3930 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(193, 118, 254) }
```


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

```
.border{ border-color:rgb(193, 118, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 118, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 118, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 118, 254);  
box-shadow:4px 4px 4px 4px rgb(193, 118,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3601, 31.4501, 97.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 118, 254) }
```

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

```
.background{ background-color: rgb(193,  
118, 254) }
```

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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