

Converting Colors

XYZ(46.0911, 30.1984, 97.1666)

Have a look what the booklet for
XYZ(46.0911, 30.1984, 97.1666)
contains.

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Color

**XYZ(46.0795, 30.1267,
97.1523)**

Conversions

Conversions Part 1

Format	Color
Hex	C36FFE
RGB	195, 111, 254
RGB Percent	76%, 44%, 100%
CMY	0.2353, 0.5647, 0.0039
CMYK	0.23, 0.56, 0.00, 0.00
HSL	275°, 99%, 72%
HSV	275°, 56%, 100%
XYZ	46.0795, 30.1267, 97.1523
YIQ	152.4180, 4.1610, 62.2810

Conversions

Conversions Part 2

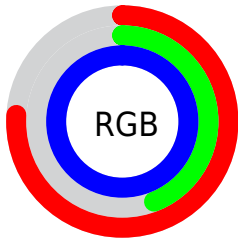
Format	Color
RYB	195, 111, 254
Decimal	12808190
CIELab	61.76, 57.60, -58.47
CIELCh	62, 82.077, 314.573
Yxy	30.1267, 0.2658, 0.1738
Android (android.graphics.Color)	4290998270 (0xFFC36FFE)
YUV	152.4180, 50.0799, 37.3444
Hunter-Lab	54.8878, 53.8010, -66.5228

Details

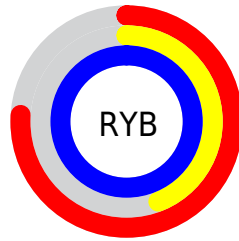
The XYZ color **46.0795, 30.1267, 97.1523** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **54.8892, 80.5779, 27.7000**, and the grayscale version is **29.8157, 31.3684, 34.1602**.

A 20% lighter version of the original color is **72.5593, 55.5633, 101.5082**, and **21.9581, 12.4149, 53.4635** is the 20% darker color. If you saturate the color by 10%, you get **41.0785, 24.0033, 96.2345**, and if you desaturate by 10%, it is **52.0607, 37.9258, 98.3430**.

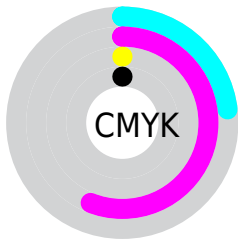
Distribution



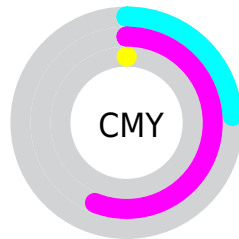
- Red (76%)
- Green (44%)
- Blue (100%)



- Red (76%)
- Yellow (44%)
- Blue (100%)



- Cyan (23%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0795, 30.1267, 97.1523 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 46.0795, 30.1267, 97.1523 by changing the saturation by 10% instead.


 46.0795, 30.1267,
97.1523


 46.0795, 30.1267,
97.1523


361.8388,
302.4946, 572.1920


 32.5134, 19.9348,
73.3209


 83.5651, 59.8625,
159.2558


 21.9114, 12.3476,
53.7450

 108.2154, 80.1751,
198.3650

 13.9081, 6.9809,
38.0060


 137.2911,
104.6302, 243.4039

 8.1380, 3.4502,
25.6855

 171.1576,
133.6119, 294.7909

 4.2359, 1.3710,
16.3648

210.1802,
167.5049, 352.9447

 1.8365, 0.1952,
9.6256

254.7244,

 0.5395, 0.0000,

206.6934, 418.2838

5.0491

305.1555,
251.5618, 491.2267

■ 0.0000, 0.0000,
2.2168

■ 0.0000, 0.0000,
0.6841

■ 46.0795, 30.1267,
97.1523

■ 46.0795, 30.1267,
97.1523

■ 41.0785, 24.0033,
96.2345

■ 52.0607, 37.9258,
98.3430

■ 36.9814, 19.4126,
95.5643

■ 59.0829, 47.5204,
99.8248

■ 33.7048, 16.1926,
95.1155

■ 67.2057, 59.0230,
101.6169

■ 31.1445, 14.1405,
94.8543

■ 76.4828, 72.5360,
103.7362

■ 30.3215, 13.5647,
94.7866

■ 86.9642, 88.1540,
106.1984

94.8895, 99.9358,
108.0548

Harmonies

Analogous

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



34.2599, 30.1267, 132.4739



46.0795, 30.1267, 97.1523



54.0745, 30.1267, 51.5798

Triad

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



46.0795, 30.1267, 97.1523



34.6026, 30.1267, 2.2589



12.7198, 30.1267, 50.4149

Complementary

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



46.0795, 30.1267, 97.1523



54.8892, 80.5779, 27.7000

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.



12.7671, 30.1267, 19.2453



46.0795, 30.1267, 97.1523



23.6613, 30.1267, 2.2201

Square

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



46.0795, 30.1267, 97.1523



46.3849, 30.1267, 6.0867



16.2635, 30.1267, 5.8823



16.1118, 30.1267, 95.8477

Rectangle

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



46.0795, 30.1267, 97.1523



55.1371, 30.1267, 28.2307



16.2635, 30.1267, 5.8823



12.3681, 30.1267, 37.8438

Sweetspot

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



46.0807, 30.1279, 97.1530



76.4695, 72.1564, 104.5050



38.9302, 39.5050, 99.3398



15.9481, 14.8286, 22.2716



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.



46.0807, 30.1279, 97.1530



40.6750, 23.3181, 96.9648



62.5977, 38.8564, 88.2715



18.0257, 17.9050, 22.7559



16.1575, 7.2400, 49.9804



1.6974, 0.7690, 4.8722

Inverse Universe

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



53.8138, 35.3428, 42.0162



49.9886, 29.5390, 33.2650



45.5681, 75.6918, 30.9208



18.3201, 18.1114, 20.3029



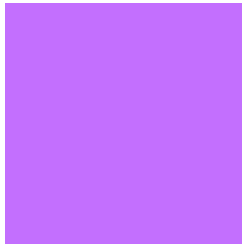
22.9566, 11.6719, 8.4221



2.2880, 1.1576, 1.0979

Previews

White Background



This preview shows how the XYZ color 46.0795, 30.1267, 97.1523 looks on a white background.

Color Contrast Check

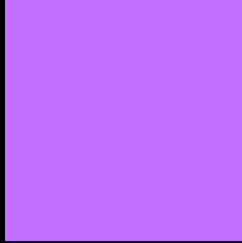
Large Text (above 18pt) WCAG AA × Fail

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 46.0795, 30.1267, 97.1523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

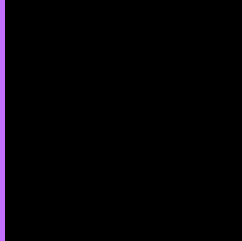
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0795, 30.1267, 97.1523

Background



This preview shows how black text looks on a background with the XYZ color 46.0795, 30.1267, 97.1523.

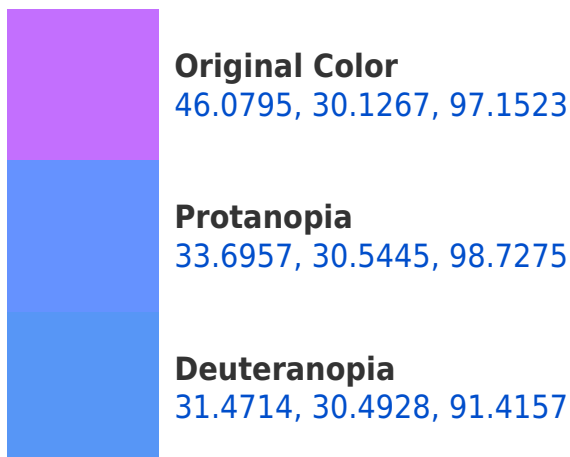


This preview shows how white text looks on a background with the XYZ color 46.0795, 30.1267,

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

33.0175, 30.1001, 32.5035

Trichromacy



Original Color

46.0795, 30.1267, 97.1523



Protanomaly

36.4292, 29.1460, 98.3134



Deuteranomaly

34.5072, 28.8835, 93.3789



Tritanomaly

36.5871, 29.4787, 50.7753

Monochromacy



Original Color

46.0795, 30.1267, 97.1523



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

34.2794, 29.8903, 52.1068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0795, 30.1267, 97.1523 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(195, 111, 254)` looks like.

```
.text, #text, p{  
    color:rgb(195, 111, 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(195, 111, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 111, 254) }
```

Border

The CSS property to change the border of an element to XYZ 46.0795, 30.1267, 97.1523 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(195, 111, 254) }
```


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

```
.border{ border-color:rgb(195, 111, 254) }
```

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

Here you see how a box with a 4 pixel rgb(195, 111, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 111, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 111, 254);  
box-shadow:4px 4px 4px 4px rgb(195, 111,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0795, 30.1267, 97.1523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 111, 254) }
```

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

```
.background{ background-color: rgb(195,  
111, 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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