

# Converting Colors

XYZ(48.4731, 30.5549, 97.9506)

Have a look what the booklet for  
XYZ(48.4731, 30.5549, 97.9506)  
contains.

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# Color

**XYZ(48.3809, 30.5072,  
97.9463)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD6AFF
RGB	205, 106, 255
RGB Percent	80%, 42%, 100%
CMY	0.1961, 0.5843, 0.0000
CMYK	0.20, 0.58, 0.00, 0.00
HSL	280°, 100%, 71%
HSV	280°, 58%, 100%
XYZ	48.3809, 30.5072, 97.9463
YIQ	152.5870, 11.1750, 67.3270

# Conversions

## Conversions Part 2

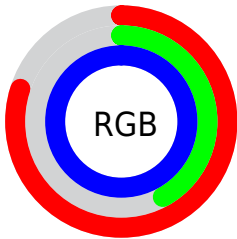
Format	Color
R <sub>Y</sub> B	205, 106, 255
Decimal	13462271
CIE Lab	62.09, 62.63, -58.43
CIE LCh	62, 85.654, 316.988
Yxy	30.5072, 0.2736, 0.1725
Android (android.graphics.Color)	4291652351 (0xFFCD6AFF)
YUV	152.5870, 50.4896, 45.9662
Hunter-Lab	55.2333, 59.6964, -66.4768

# Details

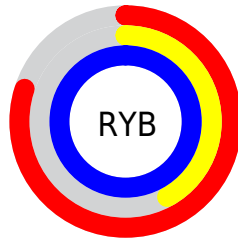
The XYZ color **48.3809, 30.5072, 97.9463** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **52.0722, 79.6287, 26.2621**, and the grayscale version is **29.8848, 31.4411, 34.2394**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **23.2513, 12.5155, 54.0136** is the 20% darker color. If you saturate the color by 10%, you get **43.8368, 24.8270, 97.0894**, and if you desaturate by 10%, it is **53.8373, 37.8182, 99.0698**.

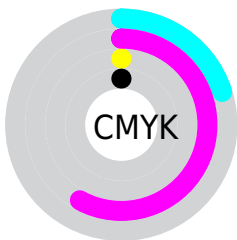
# Distribution



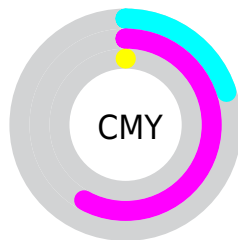
- Red (80%)
- Green (42%)
- Blue (100%)



- Red (80%)
- Yellow (42%)
- Blue (100%)



- Cyan (20%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (58%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3809, 30.5072, 97.9463 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 48.3809, 30.5072, 97.9463 by changing the saturation by 10% instead.





 48.3809, 30.5072,  
97.9463


 48.3809, 30.5072,  
97.9463


370.8575,  
304.2615, 574.7784


 34.3411, 20.2239,  
73.9792


 86.9775, 60.4634,  
160.3592


 23.3199, 12.5579,  
54.2803


 112.2651, 80.9050,  
199.6422

 14.9519, 7.1248,  
38.4311


 142.0326,  
105.5015, 244.8675

 8.8717, 3.5403,  
26.0131

 176.6455,  
134.6374, 296.4537

 4.7141, 1.4199,  
16.6076

216.4691,  
168.6969, 354.8193

 2.1135, 0.2313,  
9.7961

261.8687,

 0.6965, 0.0000,

208.0645, 420.3830

5.1601

313.2097,  
253.1246, 493.5631

■ 0.0000, 0.0000,  
2.2811

■ 0.0000, 0.0000,  
0.7206

■ 48.3809, 30.5072,  
97.9463

■ 48.3809, 30.5072,  
97.9463

■ 43.8368, 24.8270,  
97.0894

■ 53.8373, 37.8182,  
99.0698

■ 40.1281, 20.6300,  
96.4747

■ 60.2675, 46.8832,  
100.4807

■ 37.1692, 17.7470,  
96.0742

■ 67.7309, 57.8172,  
102.1978

■ 34.8392, 15.9397,  
95.8482

■ 76.2811, 70.7243,  
104.2385

■ 34.5051, 15.7029,  
95.8201

■ 85.9675, 85.7009,  
106.6187

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.



35.9563, 30.5072, 138.2179



48.3809, 30.5072, 97.9463



56.3534, 30.5072, 49.6340

# Triad

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



48.3809, 30.5072, 97.9463



34.2715, 30.5072, 1.8249



12.5601, 30.5072, 55.3954

# Complementary

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



48.3809, 30.5072, 97.9463



52.0722, 79.6287, 26.2621

# 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.



12.3339, 30.5072, 20.8898



48.3809, 30.5072, 97.9463



22.9977, 30.5072, 1.9944

# Square

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



48.3809, 30.5072, 97.9463



46.8695, 30.5072, 5.0814



15.6350, 30.5072, 6.0238



16.3654, 30.5072, 104.4805



# Rectangle

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



48.3809, 30.5072, 97.9463



56.9849, 30.5072, 26.0862



15.6350, 30.5072, 6.0238



12.1068, 30.5072, 41.5419

# Sweetspot

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



48.3820, 30.5084, 97.9464



76.6738, 71.3250, 104.3337



36.2472, 34.7902, 99.4125



15.8511, 14.4122, 22.1963



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.



48.3820, 30.5084, 97.9464



43.2012, 24.0738, 96.9775



61.0525, 37.4321, 80.8366



18.1658, 17.9772, 22.7625



18.1950, 8.2903, 50.0758



1.8879, 0.8671, 4.8811



# Inverse Universe

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



52.3952, 33.9692, 35.2481



48.3313, 28.2869, 26.3535



45.6239, 76.1522, 32.8384



18.2608, 18.0876, 19.9905



22.4792, 11.4810, 5.9080

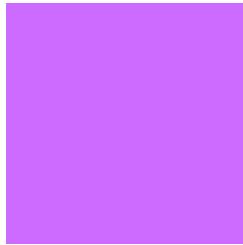


2.2372, 1.1372, 0.8303



# Previews

## White Background



This preview shows how the XYZ color 48.3809, 30.5072, 97.9463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

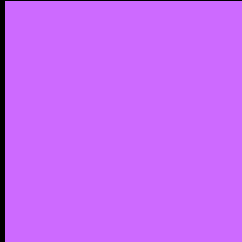
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.3809, 30.5072, 97.9463 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

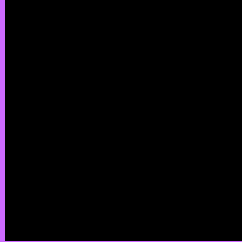
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.3809, 30.5072, 97.9463**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.3809, 30.5072, 97.9463.



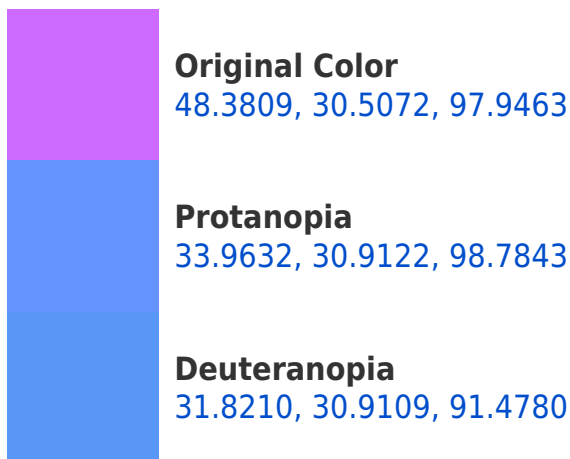
This preview shows how white text looks on a background with the XYZ color 48.3809, 30.5072,



# 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

34.7315, 30.3750, 31.2265

# Trichromacy



## Original Color

48.3809, 30.5072, 97.9463



## Protanomaly

36.9487, 29.2115, 98.2987



## Deuteranomaly

35.1229, 28.9928, 93.3675



## Tritanomaly

38.4447, 29.6817, 50.1573

# Monochromacy



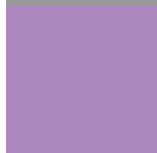
## Original Color

48.3809, 30.5072, 97.9463



## Achromatopsia

30.2779, 31.8547, 34.6897



## Achromatomaly

35.1117, 30.0967, 52.6739

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.3809, 30.5072, 97.9463 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(205, 106, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 106, 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(205, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 106, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 48.3809, 30.5072, 97.9463 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(205, 106, 255) }
```



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

```
.border{ border-color:rgb(205, 106, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 106, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 106, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 106, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 106,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.3809, 30.5072, 97.9463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 106, 255) }
```

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

```
.background{ background-color: rgb(205,  
106, 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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