

Converting Colors

XYZ(46.0286, 36.8053, 81.8717)

Have a look what the booklet for
XYZ(46.0286, 36.8053, 81.8717)
contains.

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Color

**XYZ(45.9164, 36.7769,
81.7694)**

Conversions

Conversions Part 1

Format	Color
Hex	BE90E9
RGB	190, 144, 233
RGB Percent	75%, 56%, 91%
CMY	0.2549, 0.4353, 0.0863
CMYK	0.18, 0.38, 0.00, 0.09
HSL	271°, 67%, 74%
HSV	271°, 38%, 91%
XYZ	45.9164, 36.7769, 81.7694
YIQ	167.9000, -1.1530, 37.4310

Conversions

Conversions Part 2

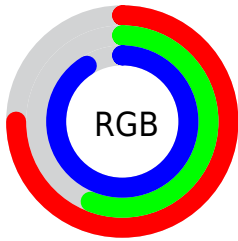
Format	Color
R_{YB}	190, 144, 233
Decimal	12488937
CIE _{Lab}	67.11, 34.10, -38.50
CIE _{LCh}	67, 51.427, 311.528
Yxy	36.7769, 0.2792, 0.2236
Android (android.graphics.Color)	4290679017 (0xFFBE90E9)
YUV	167.9000, 32.0943, 19.3817
Hunter-Lab	60.6440, 29.0238, -37.4930

Details

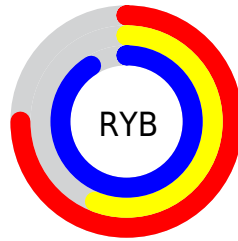
The XYZ color **45.9164, 36.7769, 81.7694** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.6677, 70.8572, 37.1827**, and the grayscale version is **37.0196, 38.9475, 42.4138**.

A 20% lighter version of the original color is **76.6019, 67.3823, 103.5765**, and **21.8418, 16.1539, 43.5618** is the 20% darker color. If you saturate the color by 10%, you get **40.0410, 29.0394, 80.5862**, and if you desaturate by 10%, it is **52.7398, 46.0857, 83.2072**.

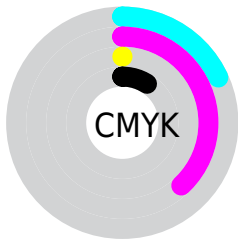
Distribution



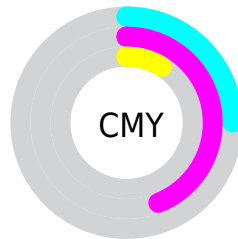
- Red (75%)
- Green (56%)
- Blue (91%)



- Red (75%)
- Yellow (56%)
- Blue (91%)



- Cyan (18%)
- Magenta (38%)
- Yellow (0%)
- Black (9%)



- Cyan (25%)
- Magenta (44%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9164, 36.7769, 81.7694 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 45.9164, 36.7769, 81.7694 by changing the saturation by 10% instead.

45.9164, 36.7769,
81.7694

45.9164, 36.7769,
81.7694

361.1940,
332.3436, 520.7392

32.3842, 25.0348,
60.6408

83.3225, 70.2295,
137.6844

21.8121, 16.1030,
43.5067

107.9271, 92.7088,
173.3078

13.8347, 9.5971,
29.9485

136.9532,
119.5360, 214.5998

8.0867, 5.1326,
19.5478

170.7662,
151.0954, 261.9791

4.2028, 2.3253,
11.8860

209.7314,
187.7715, 315.8642

1.8175, 0.7870,
6.5445

254.2143,

0.5282, 0.0000,

229.9486, 376.6735

3.1048

304.5800,
278.0112, 444.8257

■ 0.0000, 0.0000,
1.1484

■ 0.0000, 0.0000,
0.0000

■ 45.9164, 36.7769,
81.7694

■ 45.9164, 36.7769,
81.7694

■ 40.0410, 29.0394,
80.5862

■ 52.7398, 46.0857,
83.2072

■ 35.0597, 22.7761,
79.6398

■ 60.5533, 57.0464,
84.9110

■ 30.9186, 17.8855,
78.9141

■ 69.4010, 69.7392,
86.8946

■ 27.5555, 14.2510,
78.3898

■ 79.3229, 84.2376,
89.1701

■ 24.8978, 11.7353,
78.0443

■ 88.5757, 97.0484,
91.1552

■ 22.8447, 10.1455,
77.8456

■ 91.7081, 98.6632,
91.3018

■ 22.5131, 9.9069,
77.8171

Harmonies

Analogous

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



38.0512, 36.7769, 98.8857



45.9164, 36.7769, 81.7694



51.2667, 36.7769, 55.3162

Triad

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



45.9164, 36.7769, 81.7694



39.9453, 36.7769, 11.4912



22.1822, 36.7769, 49.2933

Complementary

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



45.9164, 36.7769, 81.7694



54.6677, 70.8572, 37.1827

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.



22.5325, 36.7769, 27.8780



45.9164, 36.7769, 81.7694



32.0321, 36.7769, 10.9132

Square

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



45.9164, 36.7769, 81.7694



47.4801, 36.7769, 17.7212



25.8942, 36.7769, 15.6624



24.8530, 36.7769, 75.9696

Rectangle

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



45.9164, 36.7769, 81.7694



52.2674, 36.7769, 38.9048



25.8942, 36.7769, 15.6624



21.9626, 36.7769, 41.2048

Sweetspot

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



45.9177, 36.7784, 81.7702



81.9340, 80.9105, 105.9066



43.9848, 47.3617, 83.9149



17.2151, 16.8547, 22.5959



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.



45.9177, 36.7784, 81.7702



50.4704, 37.3612, 99.1591



58.0754, 43.0703, 81.2376



14.9738, 14.9318, 19.0152



12.9183, 5.6956, 44.1614



1.1254, 0.5045, 3.4729

Inverse Universe

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



52.5484, 40.8595, 52.1324



60.0651, 43.2628, 56.4439



45.7900, 66.2674, 37.3630



15.3687, 15.1753, 17.2266



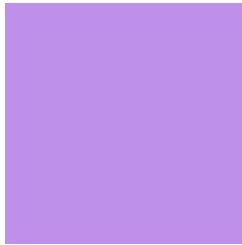
20.8075, 10.5257, 10.0537



1.6823, 0.8459, 1.0444

Previews

White Background



This preview shows how the XYZ color 45.9164, 36.7769, 81.7694 looks on a white background.

Color Contrast Check

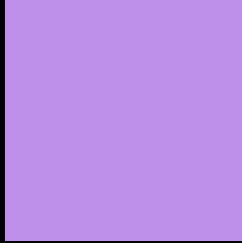
Large Text (above 18pt) WCAG AA × Fail

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 45.9164, 36.7769, 81.7694 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 45.9164, 36.7769, 81.7694

Background



This preview shows how black text looks on a background with the XYZ color 45.9164, 36.7769, 81.7694.



This preview shows how white text looks on a background with the XYZ color 45.9164, 36.7769,

81.7694.

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

45.9164, 36.7769, 81.7694

Protanopia

39.3649, 37.2735, 93.1154

Deuteranopia

37.8784, 37.0733, 79.2882



Tritanopia

37.9031, 36.5999, 43.0970

Trichromacy



Original Color

45.9164, 36.7769, 81.7694



Protanomaly

41.0748, 36.7235, 88.9279



Deuteranomaly

40.1048, 36.4250, 79.7799



Tritanomaly

40.3823, 36.3740, 55.3446

Monochromacy



Original Color

45.9164, 36.7769, 81.7694



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

39.8171, 37.8322, 55.0729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9164, 36.7769, 81.7694 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(190, 144, 233)` looks like.

```
.text, #text, p{  
    color:rgb(190, 144, 233)  
}
```

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(190, 144, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 144, 233) }
```

Border

The CSS property to change the border of an element to XYZ 45.9164, 36.7769, 81.7694 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(190, 144, 233) }
```


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

```
.border{ border-color:rgb(190, 144, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 144, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 144, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 144, 233);  
box-shadow:4px 4px 4px 4px rgb(190, 144,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9164, 36.7769, 81.7694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 144, 233) }
```

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

```
.background{ background-color: rgb(190,  
144, 233) }
```

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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