

# Converting Colors

XYZ(47.5174, 30.4025,  
108.2626)

Have a look what the booklet for  
XYZ(47.5174, 30.4025, 108.2626)  
contains.

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# Color

**XYZ(45.6182, 29.7093,  
97.9379)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C16EFF
RGB	193, 110, 255
RGB Percent	76%, 43%, 100%
CMY	0.2431, 0.5686, 0.0000
CMYK	0.24, 0.57, 0.00, 0.00
HSL	274°, 100%, 72%
HSV	274°, 57%, 100%
XYZ	45.6182, 29.7093, 97.9379
YIQ	151.3470, 2.9230, 62.6910

# Conversions

## Conversions Part 2

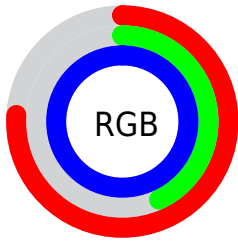
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 110, 255
Decimal	12676863
CIE <sub>Lab</sub>	61.40, 57.84, -59.61
CIE <sub>LCh</sub>	61, 83.059, 314.139
Yxy	29.7093, 0.2633, 0.1715
Android (android.graphics.Color)	4290866943 (0xFFC16EFF)
YUV	151.3470, 51.1009, 36.5297
Hunter-Lab	54.5062, 54.0071, -68.3791

# Details

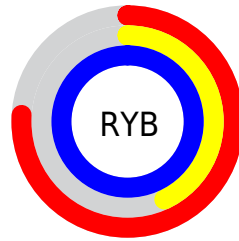
The XYZ color **45.6182, 29.7093, 97.9379** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **55.5880, 81.4166, 27.5380**, and the grayscale version is **29.3521, 30.8807, 33.6291**.

A 20% lighter version of the original color is **71.6500, 54.8257, 101.4138**, and **21.5328, 12.1084, 54.0256** is the 20% darker color. If you saturate the color by 10%, you get **40.5745, 23.5963, 97.0238**, and if you desaturate by 10%, it is **51.6605, 37.5128, 99.1256**.

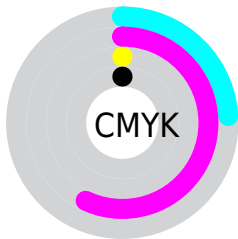
# Distribution



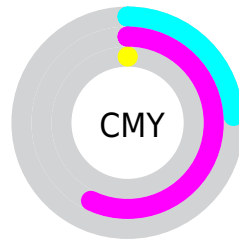
- Red (76%)
- Green (43%)
- Blue (100%)



- Red (76%)
- Yellow (43%)
- Blue (100%)



- Cyan (24%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (57%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6182, 29.7093, 97.9379 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 45.6182, 29.7093, 97.9379 by changing the saturation by 10% instead.




 45.6182, 29.7093,  
97.9379

 45.6182, 29.7093,  
97.9379

360.0133,  
300.5471, 574.7510

 32.1480, 19.6180,  
73.9723


 82.8787, 59.2021,  
160.3476

 21.6307, 12.1177,  
54.2747


 107.3997, 79.3725,  
199.6287

 13.7008, 6.8239,  
38.4266


 136.3349,  
103.6714, 244.8520

 7.9932, 3.3522,  
26.0096

 170.0499,  
132.4832, 296.4361

 4.1424, 1.3183,  
16.6050

208.9098,  
166.1922, 354.7995

 1.7830, 0.1553,  
9.7943

253.2801,

 0.5074, 0.0000,

205.1830, 420.3608

5.1590

303.5262,  
249.8398, 493.5385

■ 0.0000, 0.0000,  
2.2805

■ 0.0000, 0.0000,  
0.7202

■ 45.6182, 29.7093,  
97.9379

■ 45.6182, 29.7093,  
97.9379

■ 40.5745, 23.5963,  
97.0238

■ 51.6605, 37.5128,  
99.1256

■ 36.4515, 19.0283,  
96.3594

■ 58.7638, 47.1291,  
100.6074

■ 33.1638, 15.8397,  
95.9172

■ 66.9891, 58.6726,  
102.4020

■ 30.6026, 13.8200,  
95.6623

■ 76.3912, 72.2471,  
104.5266

■ 29.8984, 13.3281,  
95.6045

■ 87.0211, 87.9489,  
106.9971

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.



33.7091, 29.7093, 133.3786



45.6182, 29.7093, 97.9379



53.7707, 29.7093, 51.8232

# Triad

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



45.6182, 29.7093, 97.9379



34.4029, 29.7093, 2.0907



12.3267, 29.7093, 49.4591

# Complementary

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



45.6182, 29.7093, 97.9379



55.5880, 81.4166, 27.5380

# 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.



12.4214, 29.7093, 18.4895



45.6182, 29.7093, 97.9379



23.3931, 29.7093, 2.0159

# Square

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



45.6182, 29.7093, 97.9379



46.2381, 29.7093, 5.8832



15.9500, 29.7093, 5.4806



15.6457, 29.7093, 95.2757



# Rectangle

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



45.6182, 29.7093, 97.9379



54.9280, 29.7093, 28.1820



15.9500, 29.7093, 5.4806



11.9937, 29.7093, 36.9064

# Sweetspot

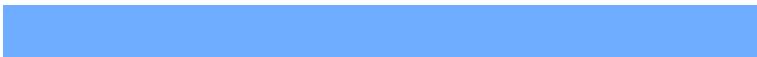
The Sweet Spot groups the original color and five complimentary colors.



45.6193, 29.7104, 97.9380



76.2526, 72.0447, 104.4948



39.3928, 40.3592, 100.3216



15.8969, 14.8022, 22.2692



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.



45.6193, 29.7104, 97.9380



40.0600, 23.0011, 96.9360



63.3487, 39.0255, 90.8473



17.9986, 17.8910, 22.7546



15.7969, 7.0541, 49.9636



1.6632, 0.7513, 4.8706



# Inverse Universe

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



54.2627, 35.3912, 43.0012



50.2061, 29.6260, 34.4102



45.5610, 76.1833, 29.9679



18.3317, 18.1160, 20.3641



23.0632, 11.7146, 8.9832

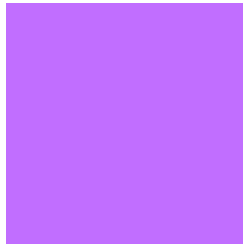


2.2990, 1.1620, 1.1557



# Previews

## White Background



This preview shows how the XYZ color 45.6182, 29.7093, 97.9379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

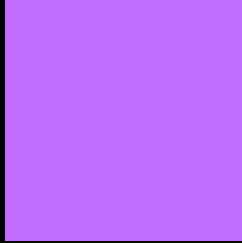
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.6182, 29.7093, 97.9379 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 × Fail

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

**XYZ 45.6182, 29.7093, 97.9379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.6182, 29.7093, 97.9379.



This preview shows how white text looks on a background with the XYZ color 45.6182, 29.7093,



# 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

45.6182, 29.7093, 97.9379

### Protanopia

33.3210, 30.1234, 98.6659

### Deuteranopia

31.0156, 30.0041, 92.1524



## Tritanopia

32.1925, 29.4608, 32.4236

# Trichromacy



## Original Color

45.6182, 29.7093, 97.9379



## Protanomaly

35.9741, 28.7091, 98.2531



## Deuteranomaly

33.9453, 28.3676, 94.1289



## Tritanomaly

36.0877, 29.0143, 51.2752

# Monochromacy



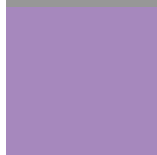
## Original Color

45.6182, 29.7093, 97.9379



## Achromatopsia

29.4150, 30.9469, 33.7012



## Achromatomaly

33.7154, 29.3894, 52.0398

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.6182, 29.7093, 97.9379 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, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 110, 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(193, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 110, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 45.6182, 29.7093, 97.9379 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, 110, 255) }
```



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

```
.border{ border-color:rgb(193, 110, 255) }
```

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

Here you see how a box with a 4 pixel rgb(193, 110, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 110,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.6182, 29.7093, 97.9379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 110, 255) }
```

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

```
.background{ background-color: rgb(193,  
110, 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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