

# Converting Colors

XYZ(44.9982, 28.1656, 97.6726)

Have a look what the booklet for  
XYZ(44.9982, 28.1656, 97.6726)  
contains.

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# Color

**XYZ(45.0495, 28.1921,  
97.6750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C266FF
RGB	194, 102, 255
RGB Percent	76%, 40%, 100%
CMY	0.2392, 0.6000, 0.0000
CMYK	0.24, 0.60, 0.00, 0.00
HSL	276°, 100%, 70%
HSV	276°, 60%, 100%
XYZ	45.0495, 28.1921, 97.6750
YIQ	146.9500, 5.7190, 67.0870

# Conversions

## Conversions Part 2

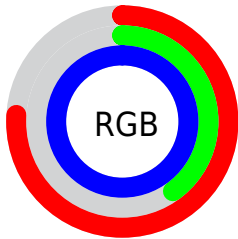
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 102, 255
Decimal	12740351
CIELab	60.06, 61.99, -61.75
CIELCh	60, 87.493, 315.112
Yxy	28.1921, 0.2636, 0.1649
Android (android.graphics.Color)	4290930431 (0xFFC266FF)
YUV	146.9500, 53.2687, 41.2629
Hunter-Lab	53.0962, 58.5299, -71.9016

# Details

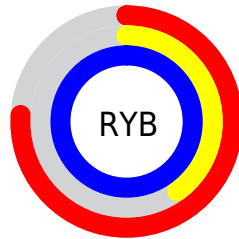
The XYZ color **45.0495, 28.1921, 97.6750** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **53.2628, 80.2660, 25.2569**, and the grayscale version is **27.4990, 28.9311, 31.5059**.

A 20% lighter version of the original color is **70.9800, 52.4048, 100.9818**, and **21.2479, 11.2985, 53.8843** is the 20% darker color. If you saturate the color by 10%, you get **40.3973, 22.6287, 96.8463**, and if you desaturate by 10%, it is **50.6528, 35.3904, 98.7691**.

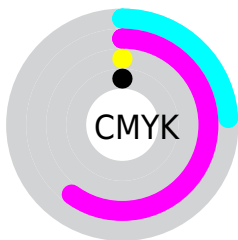
# Distribution



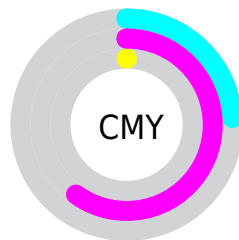
- Red (76%)
- Green (40%)
- Blue (100%)



- Red (76%)
- Yellow (40%)
- Blue (100%)



- Cyan (24%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (60%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0495, 28.1921, 97.6750 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 45.0495, 28.1921, 97.6750 by changing the saturation by 10% instead.




 45.0495, 28.1921,  
97.6750

 45.0495, 28.1921,  
97.6750

357.7543,  
293.3837, 573.8954


 31.6979, 18.4705,  
73.7542


 82.0313, 56.7910,  
159.9823

 21.2853, 11.2883,  
54.0973


 106.3922, 76.4371,  
199.2059

 13.4463, 6.2611,  
38.2858


 135.1535,  
100.1602, 244.3676

 7.8157, 3.0045,  
25.9010

 168.6806,  
128.3446, 295.8858

 4.0281, 1.1341,  
16.5245

207.3389,  
161.3747, 354.1792

 1.7180, 0.0069,  
9.7377

251.4937,

 0.4675, 0.0000,

199.6351, 419.6662

5.1221

301.5104,  
243.5099, 492.7654

■ 0.0000, 0.0000,  
2.2591

■ 0.0000, 0.0000,  
0.7082

■ 45.0495, 28.1921,  
97.6750

■ 45.0495, 28.1921,  
97.6750

■ 40.3973, 22.6287,  
96.8463

■ 50.6528, 35.3904,  
98.7691

■ 36.6161, 18.5488,  
96.2581

■ 57.2715, 44.3503,  
100.1497

■ 33.6161, 15.7768,  
95.8812

■ 64.9671, 55.1892,  
101.8362

■ 31.2507, 14.0252,  
95.6678

■ 73.7953, 68.0132,  
103.8462

■ 31.2504, 14.0250,  
95.6678

■ 83.8075, 82.9205,  
106.1959

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.



32.7867, 28.1921, 136.4178



45.0495, 28.1921, 97.6750



53.3351, 28.1921, 49.3429

# Triad

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



45.0495, 28.1921, 97.6750



32.6943, 28.1921, 1.3760



10.9625, 28.1921, 49.6612

# Complementary

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



45.0495, 28.1921, 97.6750



53.2628, 80.2660, 25.2569

# 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.



10.9506, 28.1921, 17.4619



45.0495, 28.1921, 97.6750



21.5830, 28.1921, 1.3838

# Square

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



45.0495, 28.1921, 97.6750



44.9659, 28.1921, 4.5010



14.2894, 28.1921, 4.5483



14.3283, 28.1921, 98.0420



# Rectangle

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



45.0495, 28.1921, 97.6750



54.3460, 28.1921, 25.5413



14.2894, 28.1921, 4.5483



10.6047, 28.1921, 36.5024

# Sweetspot

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



45.0506, 28.1931, 97.6751



75.7001, 70.8230, 104.2881



36.6630, 36.3112, 99.6842



15.6127, 14.2893, 22.1852



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.



45.0506, 28.1931, 97.6751



39.5734, 21.6985, 96.7102



61.6754, 37.0369, 86.1031



18.0509, 17.9180, 22.7571



16.5020, 7.4176, 49.9966



1.7300, 0.7858, 4.8738



# Inverse Universe

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



52.6026, 33.4078, 38.3265



48.5987, 27.8495, 29.4400



44.4686, 75.6365, 29.1788



18.3094, 18.1071, 20.2463



22.8619, 11.6341, 7.9234

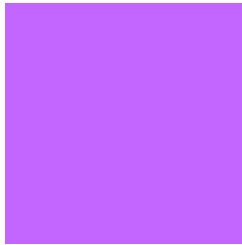


2.2781, 1.1536, 1.0460



# Previews

## White Background



This preview shows how the XYZ color 45.0495, 28.1921, 97.6750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

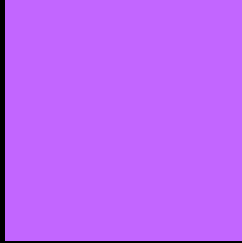
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 45.0495, 28.1921, 97.6750 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

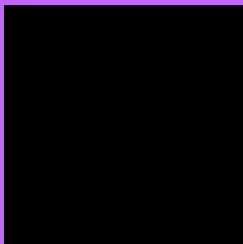
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 45.0495, 28.1921, 97.6750**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.0495, 28.1921, 97.6750.



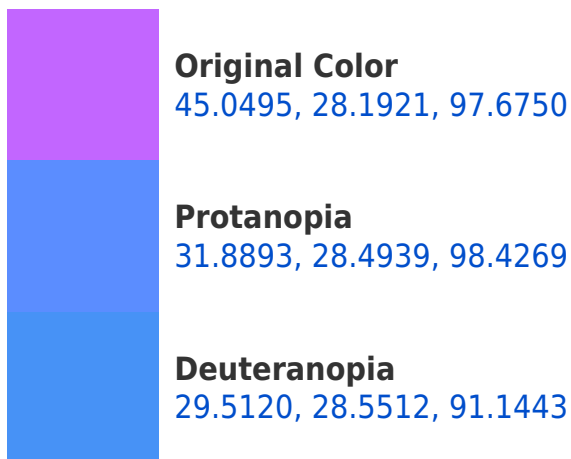
This preview shows how white text looks on a background with the XYZ color 45.0495, 28.1921,

97.6750.

# 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

31.3261, 28.0188, 30.1427

# Trichromacy



## Original Color

45.0495, 28.1921, 97.6750



## Protanomaly

34.5415, 26.9879, 97.9964



## Deuteranomaly

32.2840, 26.5178, 93.0394



## Tritanomaly

35.1397, 27.4470, 48.7931

# Monochromacy



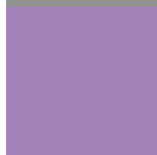
## Original Color

45.0495, 28.1921, 97.6750



## Achromatopsia

27.7328, 29.1771, 31.7738



## Achromatomaly

32.2891, 27.6703, 50.0935

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.0495, 28.1921, 97.6750 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(194, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 102, 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(194, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 102, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 45.0495, 28.1921, 97.6750 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(194, 102, 255) }
```



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

```
.border{ border-color:rgb(194, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 102,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.0495, 28.1921, 97.6750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 102, 255) }
```

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

```
.background{ background-color: rgb(194,  
102, 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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