

# Converting Colors

XYZ(46.8963, 27.4249, 97.4296)

Have a look what the booklet for  
XYZ(46.8963, 27.4249, 97.4296)  
contains.

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# Color

**XYZ(46.7992, 27.3439,  
97.4190)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD59FF
RGB	205, 89, 255
RGB Percent	80%, 35%, 100%
CMY	0.1961, 0.6510, 0.0000
CMYK	0.20, 0.65, 0.00, 0.00
HSL	282°, 100%, 67%
HSV	282°, 65%, 100%
XYZ	46.7992, 27.3439, 97.4190
YIQ	142.6080, 15.8500, 76.2180

# Conversions

## Conversions Part 2

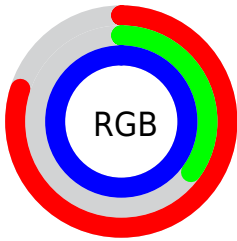
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	205, 89, 255
Decimal	13457919
CIE <sub>Lab</sub>	59.29, 70.29, -62.91
CIE <sub>LCh</sub>	59, 94.330, 318.174
Y <sub>xy</sub>	27.3439, 0.2728, 0.1594
Android (android.graphics.Color)	4291647999 (0xFFCD59FF)
Y <sub>UV</sub>	142.6080, 55.4093, 54.7178
Hunter-Lab	52.2914, 68.2421, -73.8534

# Details

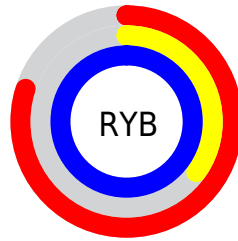
The XYZ color **46.7992, 27.3439, 97.4190** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **48.2111, 77.7304, 21.9146**, and the grayscale version is **25.7358, 27.0761, 29.4859**.

A 20% lighter version of the original color is **69.5689, 49.0378, 100.4063**, and **22.2587, 10.7955, 53.7339** is the 20% darker color. If you saturate the color by 10%, you get **42.9660, 22.7450, 96.7334**, and if you desaturate by 10%, it is **51.4731, 33.4675, 98.3547**.

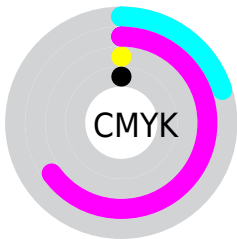
# Distribution



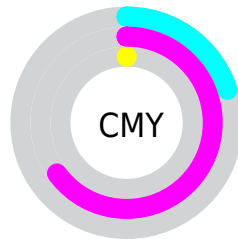
- Red (80%)
- Green (35%)
- Blue (100%)



- Red (80%)
- Yellow (35%)
- Blue (100%)



- Cyan (20%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (65%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7992, 27.3439, 97.4190 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 46.7992, 27.3439, 97.4190 by changing the saturation by 10% instead.




 46.7992, 27.3439,  
97.4190


 46.7992, 27.3439,  
97.4190


364.6748,  
289.3184, 573.0615

 33.0842, 17.8317,  
73.5420


 84.6344, 55.4352,  
159.6266


 22.3505, 10.8292,  
53.9247


 109.4853, 74.7831,  
198.7942

 14.2327, 5.9521,  
38.1487


 138.7789, 98.1783,  
243.8957

 8.3655, 2.8160,  
25.7954

 172.8806,  
126.0053, 295.3497

 4.3835, 1.0364,  
16.4463

212.1556,  
158.6484, 353.5748

 1.9213, 0.0000,  
9.6827

256.9694,

 0.5892, 0.0000,

196.4920, 418.9894

5.0863

307.6874,  
239.9205, 492.0121

■ 0.0000, 0.0000,  
2.2383

■ 0.0000, 0.0000,  
0.6964

■ 46.7992, 27.3439,  
97.4190

■ 46.7992, 27.3439,  
97.4190

■ 42.9660, 22.7450,  
96.7334

■ 51.4731, 33.4675,  
98.3547

■ 39.8890, 19.5075,  
96.2707

■ 57.0541, 41.2498,  
99.5627

■ 37.4699, 17.4357,  
95.9983

■ 63.6052, 50.8137,  
101.0634

■ 36.4549, 16.7081,  
95.9113

■ 71.1824, 62.2692,  
102.8752

■ 79.8374, 75.7173,  
105.0148

■ 89.6179, 91.2519,  
107.4977

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.



33.7183, 27.3439, 143.8141



46.7992, 27.3439, 97.4190



55.0805, 27.3439, 45.1540

# Triad

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



46.7992, 27.3439, 97.4190



30.9163, 27.3439, 0.6920



9.8563, 27.3439, 54.9516

# Complementary

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



46.7992, 27.3439, 97.4190



48.2111, 77.7304, 21.9146

# 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.



9.5199, 27.3439, 18.3537



46.7992, 27.3439, 97.4190



19.5424, 27.3439, 0.8810

# Square

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



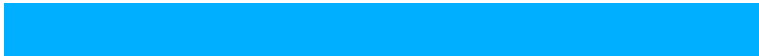
46.7992, 27.3439, 97.4190



44.2216, 27.3439, 2.8699



12.4956, 27.3439, 4.0763



13.6165, 27.3439, 109.0545



# Rectangle

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



46.7992, 27.3439, 97.4190



55.4954, 27.3439, 21.4655



12.4956, 27.3439, 4.0763



9.3921, 27.3439, 39.9870

# Sweetspot

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



46.8003, 27.3450, 97.4192



75.4556, 68.8679, 103.9236



31.7793, 28.5622, 98.4458



15.6387, 13.9477, 22.1179



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.



46.8003, 27.3450, 97.4192



41.9985, 21.6724, 96.5774



58.3444, 33.8181, 74.3776



18.2288, 18.0097, 22.7654



19.2067, 8.8119, 50.1231



1.9808, 0.9150, 4.8855



# Inverse Universe

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



49.4730, 30.2696, 27.6618



45.8119, 25.3592, 19.0057



43.2363, 74.9865, 29.7856



18.2345, 18.0771, 19.8522



22.3025, 11.4103, 4.9773



2.2174, 1.1293, 0.7263



# Previews

## White Background



This preview shows how the XYZ color 46.7992, 27.3439, 97.4190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

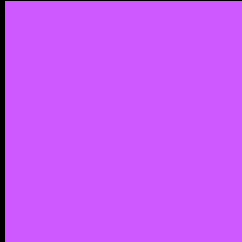
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.7992, 27.3439, 97.4190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

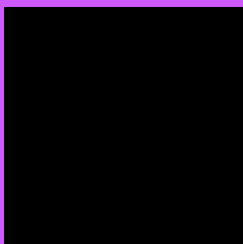
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 46.7992, 27.3439, 97.4190**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.7992, 27.3439, 97.4190.



This preview shows how white text looks on a background with the XYZ color 46.7992, 27.3439,



# 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

46.7992, 27.3439, 97.4190

### Protanopia

31.1204, 27.6637, 98.3071

### Deuteranopia

28.7015, 27.6973, 90.2196



## Tritanopia

32.3275, 27.2358, 26.4749

# Trichromacy



## Original Color

46.7992, 27.3439, 97.4190



## Protanomaly

33.9406, 25.5619, 97.7528



## Deuteranomaly

31.6427, 25.0368, 92.7874



## Tritanomaly

36.2899, 26.5343, 45.8568

# Monochromacy



## Original Color

46.7992, 27.3439, 97.4190



## Achromatopsia

26.1081, 27.4677, 29.9124



## Achromatomaly

31.4606, 25.7336, 48.6563

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.7992, 27.3439, 97.4190 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, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 89, 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, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 89, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 46.7992, 27.3439, 97.4190 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, 89, 255) }
```



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

```
.border{ border-color:rgb(205, 89, 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, 89, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 89, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 89, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 89,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.7992, 27.3439, 97.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 89, 255) }
```

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

```
.background{ background-color: rgb(205, 89,  
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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