

# Converting Colors

XYZ(47.0137, 25.5341, 97.0584)

Have a look what the booklet for  
XYZ(47.0137, 25.5341, 97.0584)  
contains.

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# Color

**XYZ(46.8816, 25.4281,  
97.0449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D247FF
RGB	210, 71, 255
RGB Percent	82%, 28%, 100%
CMY	0.1765, 0.7216, 0.0000
CMYK	0.18, 0.72, 0.00, 0.00
HSL	285°, 100%, 64%
HSV	285°, 72%, 100%
XYZ	46.8816, 25.4281, 97.0449
YIQ	133.5370, 23.7800, 86.6920

# Conversions

## Conversions Part 2

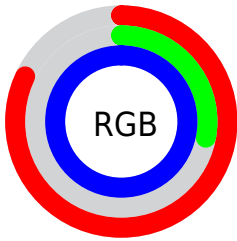
Format	Color
R <sub>Y</sub> B	210, 71, 255
Decimal	13780991
CIE Lab	57.49, 78.29, -65.76
CIE LCh	57, 102.244, 319.968
Yxy	25.4281, 0.2768, 0.1501
Android (android.graphics.Color)	4291971071 (0xFFD247FF)
YUV	133.5370, 59.8813, 67.0581
Hunter-Lab	50.4263, 77.7065, -78.8046

# Details

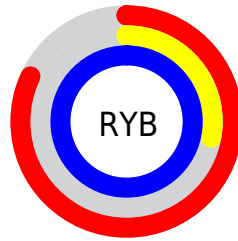
The XYZ color **46.8816, 25.4281, 97.0449** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **44.1002, 75.6881, 18.2470**, and the grayscale version is **22.2735, 23.4334, 25.5190**.

A 20% lighter version of the original color is **67.4063, 44.7126, 99.6854**, and **22.8405, 10.6105, 53.6675** is the 20% darker color. If you saturate the color by 10%, you get **43.8456, 21.9399, 96.5316**, and if you desaturate by 10%, it is **50.6686, 30.3135, 97.7883**.

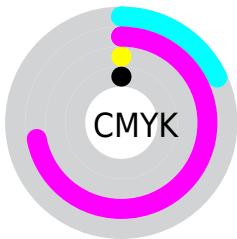
# Distribution



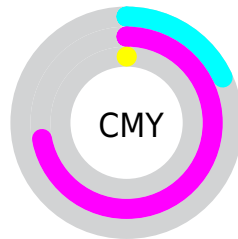
- Red (82%)
- Green (28%)
- Blue (100%)



- Red (82%)
- Yellow (28%)
- Blue (100%)



- Cyan (18%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (72%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8816, 25.4281, 97.0449 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 46.8816, 25.4281, 97.0449 by changing the saturation by 10% instead.



 46.8816, 25.4281,  
97.0449


 46.8816, 25.4281,  
97.0449


364.9985,  
279.9632, 571.8417

 33.1496, 16.3963,  
73.2319


 84.7567, 52.3509,  
159.1065

 22.4009, 9.8050,  
53.6726


 109.6305, 71.0106,  
198.1921


 14.2700, 5.2699,  
37.9486


 138.9490, 93.6485,  
243.2057

 8.3917, 2.4065,  
25.6413

 173.0774,  
120.6489, 294.5658

 4.4005, 0.8292,  
16.3321

 212.3813,  
152.3961, 352.6909

 1.9311, 0.0000,  
9.6026

257.2258,

 0.5948, 0.0000,

189.2747, 417.9995

5.0341

307.9765,  
231.6689, 490.9103

■ 0.0000, 0.0000,  
2.2082

■ 0.0000, 0.0000,  
0.6791

■ 46.8816, 25.4281,  
97.0449

■ 46.8816, 25.4281,  
97.0449

■ 43.8456, 21.9399,  
96.5316

■ 50.6686, 30.3135,  
97.7883

■ 41.4653, 19.6625,  
96.2175

■ 55.2800, 36.7449,  
98.7866

■ 39.9502, 18.5099,  
96.0749

■ 60.7834, 44.8553,  
100.0620

■ 67.2381, 54.7621,  
101.6341

74.6980, 66.5723,  
103.5205

83.2129, 80.3843,  
105.7377

92.8291, 96.2897,  
108.3009

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.



33.0741, 25.4281, 150.5373



46.8816, 25.4281, 97.0449



55.3146, 25.4281, 41.0801

# Triad

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



46.8816, 25.4281, 97.0449



28.4788, 25.4281, 0.0000



8.1707, 25.4281, 57.4626

# Complementary

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



46.8816, 25.4281, 97.0449



44.1002, 75.6881, 18.2470

# 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.



7.6721, 25.4281, 17.5759



46.8816, 25.4281, 97.0449



17.0251, 25.4281, 0.2114

# Square

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



46.8816, 25.4281, 97.0449



42.5632, 25.4281, 1.5450



10.3131, 25.4281, 3.0806



12.0245, 25.4281, 117.2458



# Rectangle

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



46.8816, 25.4281, 97.0449



55.3224, 25.4281, 17.6299



10.3131, 25.4281, 3.0806



7.6700, 25.4281, 40.9851

# Sweetspot

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



46.8826, 25.4291, 97.0451



74.8218, 66.7710, 103.5523



27.0106, 21.2831, 97.2922



15.5591, 13.5630, 22.0478



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.



46.8826, 25.4291, 97.0451



42.6170, 20.6983, 96.3567



55.0023, 30.3706, 63.2855



18.3332, 18.0635, 22.7703



21.0169, 9.7451, 50.2079



2.1448, 0.9996, 4.8932



# Inverse Universe

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



46.6460, 27.0281, 19.2820



43.5249, 23.0508, 11.2590



41.5700, 74.1442, 28.9510



18.1915, 18.0599, 19.6256



22.0573, 11.3122, 3.6861

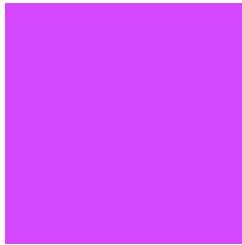


2.1886, 1.1178, 0.5747



# Previews

## White Background



This preview shows how the XYZ color 46.8816, 25.4281, 97.0449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

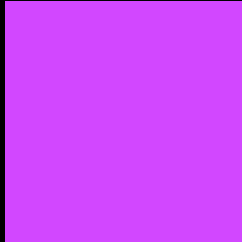
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 46.8816, 25.4281, 97.0449 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

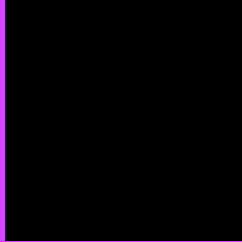
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 46.8816, 25.4281, 97.0449**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.8816, 25.4281, 97.0449.



This preview shows how white text looks on a background with the XYZ color 46.8816, 25.4281,



# 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

46.8816, 25.4281, 97.0449

### Protanopia

29.3991, 25.7260, 98.0239

### Deuteranopia

26.7280, 25.8316, 88.3713



## Tritanopia

31.4329, 25.0478, 22.5801

# Trichromacy



## Original Color

46.8816, 25.4281, 97.0449

## Protanomaly

31.9028, 22.7998, 97.3271

## Deuteranomaly

28.8631, 22.0410, 90.7288

## Tritanomaly

35.2923, 24.0987, 41.8211

# Monochromacy



## Original Color

46.8816, 25.4281, 97.0449

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

28.6206, 22.2646, 44.9085

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.8816, 25.4281, 97.0449 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(210, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 71, 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(210, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 71, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 46.8816, 25.4281, 97.0449 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(210, 71, 255) }
```



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

```
.border{ border-color:rgb(210, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 71,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.8816, 25.4281, 97.0449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 71, 255) }
```

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

```
.background{ background-color: rgb(210, 71,  
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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