

Converting Colors

XYZ(47.1409, 28.8413, 97.6901)

Have a look what the booklet for
XYZ(47.1409, 28.8413, 97.6901)
contains.

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Color

**XYZ(47.1404, 28.8402,
97.6899)**

Conversions

Conversions Part 1

Format	Color
Hex	CB63FF
RGB	203, 99, 255
RGB Percent	80%, 39%, 100%
CMY	0.2039, 0.6117, 0.0000
CMYK	0.20, 0.61, 0.00, 0.00
HSL	280°, 100%, 69%
HSV	280°, 61%, 100%
XYZ	47.1404, 28.8402, 97.6899
YIQ	147.8800, 11.9080, 70.5640

Conversions

Conversions Part 2

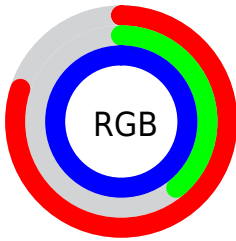
Format	Color
R _Y B	203, 99, 255
Decimal	13329407
CIE Lab	60.64, 65.43, -60.76
CIE LCh	61, 89.294, 317.122
Yxy	28.8402, 0.2714, 0.1661
Android (android.graphics.Color)	4291519487 (0xFFCB63FF)
YUV	147.8800, 52.8102, 48.3402
Hunter-Lab	53.7031, 62.7064, -70.2608

Details

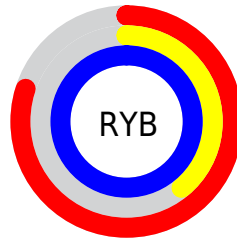
The XYZ color **47.1404, 28.8402, 97.6899** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **50.7751, 79.0004, 24.3779**, and the grayscale version is **27.8831, 29.3352, 31.9461**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **22.5480, 11.6368, 53.8810** is the 20% darker color. If you saturate the color by 10%, you get **42.8432, 23.5876, 96.9025**, and if you desaturate by 10%, it is **52.3291, 35.6852, 98.7376**.

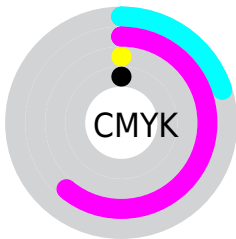
Distribution



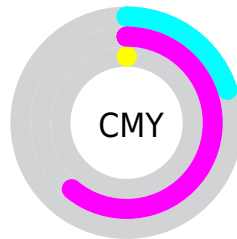
- Red (80%)
- Green (39%)
- Blue (100%)



- Red (80%)
- Yellow (39%)
- Blue (100%)



- Cyan (20%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1404, 28.8402, 97.6899 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 47.1404, 28.8402, 97.6899 by changing the saturation by 10% instead.


 47.1404, 28.8402,
97.6899


 47.1404, 28.8402,
97.6899

366.0142,
296.4602, 573.9439

 33.3551, 18.9600,
73.7666


 85.1406, 57.8231,
160.0030

 22.5591, 11.6414,
54.1074


 110.0862, 77.6946,
199.2299

 14.3872, 6.5000,
38.2938


 139.4826,
101.6652, 244.3951

 8.4740, 3.1514,
25.9072

 173.6952,
130.1194, 295.9170

 4.4540, 1.2113,
16.5291

213.0893,
163.4417, 354.2144

 1.9621, 0.0709,
9.7409

258.0303,

 0.6125, 0.0000,

202.0163, 419.7056

5.1242

308.8835,
246.2277, 492.8092

■ 0.0000, 0.0000,
2.2603

■ 0.0000, 0.0000,
0.7088

■ 47.1404, 28.8402,
97.6899

■ 47.1404, 28.8402,
97.6899

■ 42.8432, 23.5876,
96.9025

■ 52.3291, 35.6852,
98.7376

■ 39.3575, 19.7737,
96.3501

■ 58.4728, 44.2499,
100.0670

■ 36.5929, 17.2196,
96.0028

■ 65.6326, 54.6527,
101.6976

■ 34.6280, 15.7663,
95.8258

■ 73.8632, 67.0000,
103.6470

■ 83.2150, 81.3900,
105.9317

■ 93.7352, 97.9144,
108.5667

■ 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.



34.4905, 28.8402, 139.9897



47.1404, 28.8402, 97.6899



55.2926, 28.8402, 47.8347

Triad

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



47.1404, 28.8402, 97.6899



32.6704, 28.8402, 1.2478



11.1836, 28.8402, 54.1202

Complementary

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



47.1404, 28.8402, 97.6899



50.7751, 79.0004, 24.3779

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.



10.9508, 28.8402, 19.2433



47.1404, 28.8402, 97.6899



21.3745, 28.8402, 1.3953

Square

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



47.1404, 28.8402, 97.6899



45.4893, 28.8402, 4.0394



14.1361, 28.8402, 4.9498



14.8980, 28.8402, 104.9674

Rectangle

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



47.1404, 28.8402, 97.6899



55.9137, 28.8402, 24.1521



14.1361, 28.8402, 4.9498



10.7419, 28.8402, 39.9746

Sweetspot

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



47.1415, 28.8413, 97.6900



76.7085, 71.3429, 104.3353



34.2631, 32.0070, 98.9798



15.8597, 14.4166, 22.1967



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.



47.1415, 28.8413, 97.6900



42.1488, 22.7889, 96.7849



59.8452, 35.8416, 77.8932



18.1699, 17.9793, 22.7626



18.2588, 8.3232, 50.0788



1.8938, 0.8702, 4.8814

Inverse Universe

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



51.2883, 32.4189, 32.8331



47.4488, 27.1338, 24.1732



44.6079, 75.6536, 31.6547



18.2591, 18.0869, 19.9815



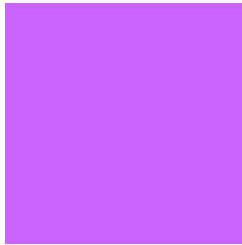
22.4671, 11.4761, 5.8440



2.2358, 1.1367, 0.8232

Previews

White Background



This preview shows how the XYZ color 47.1404, 28.8402, 97.6899 looks on a white background.

Color Contrast Check

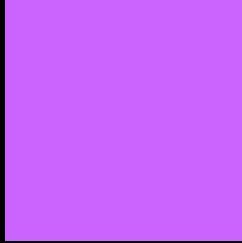
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.1404, 28.8402, 97.6899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

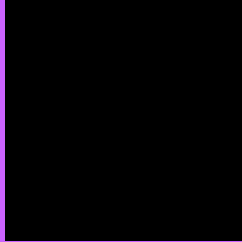
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.1404, 28.8402, 97.6899

Background



This preview shows how black text looks on a background with the XYZ color 47.1404, 28.8402, 97.6899.



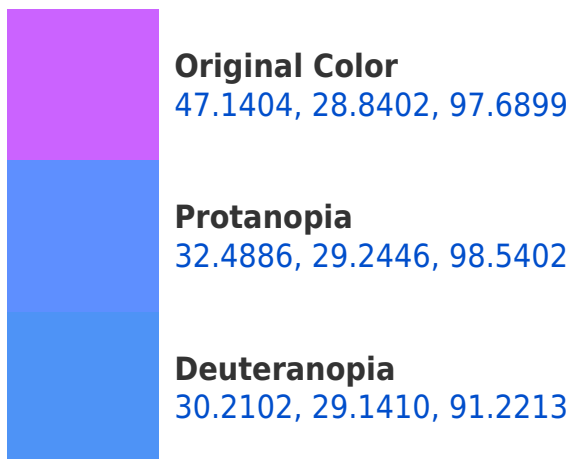
This preview shows how white text looks on a background with the XYZ color 47.1404, 28.8402,

97.6899.

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

32.9316, 28.4700, 28.9589

Trichromacy



Original Color

47.1404, 28.8402, 97.6899



Protanomaly

35.4709, 27.4671, 98.0399



Deuteranomaly

33.2499, 27.0158, 93.0846



Tritanomaly

36.7786, 27.7775, 47.6791

Monochromacy



Original Color

47.1404, 28.8402, 97.6899



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

33.1007, 27.8780, 50.6501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1404, 28.8402, 97.6899 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(203, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 99, 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(203, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 99, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.1404, 28.8402, 97.6899 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(203, 99, 255) }
```


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

```
.border{ border-color:rgb(203, 99, 255) }
```

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

Here you see how a box with a 4 pixel rgb(203, 99, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 99,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1404, 28.8402, 97.6899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 99, 255) }
```

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

```
.background{ background-color: rgb(203, 99,  
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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