

# Converting Colors

XYZ(47.8405, 33.5771, 68.2495)

Have a look what the booklet for  
XYZ(47.8405, 33.5771, 68.2495)  
contains.

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# Color

**XYZ(47.8405, 33.5771,  
68.2495)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D97AD7
RGB	217, 122, 215
RGB Percent	85%, 48%, 84%
CMY	0.1490, 0.5215, 0.1569
CMYK	0.00, 0.44, 0.01, 0.15
HSL	301°, 56%, 66%
HSV	301°, 44%, 85%
XYZ	47.8405, 33.5771, 68.2495
YIQ	161.0070, 26.7670, 49.0630

# Conversions

## Conversions Part 2

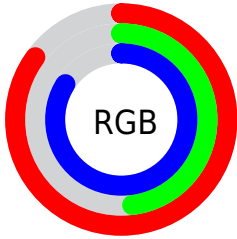
Format	Color
R <sub>Y</sub> B	217, 122, 215
Decimal	14252759
CIE Lab	64.63, 50.21, -32.15
CIE LCh	65, 59.620, 327.364
Yxy	33.5771, 0.3196, 0.2243
Android (android.graphics.Color)	4292442839 (0xFFD97AD7)
YUV	161.0070, 26.6185, 49.1059
Hunter-Lab	57.9458, 45.9660, -29.2708

# Details

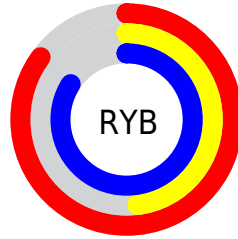
The XYZ color **47.8405, 33.5771, 68.2495** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.4784, 55.2197, 27.8066**, and the grayscale version is **33.7522, 35.5099, 38.6703**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **22.9705, 14.2679, 34.8010** is the 20% darker color. If you saturate the color by 10%, you get **45.4093, 28.8078, 67.1501**, and if you desaturate by 10%, it is **50.8690, 39.5392, 69.5495**.

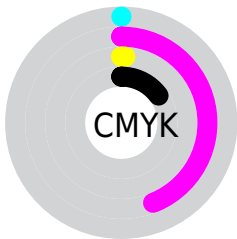
# Distribution



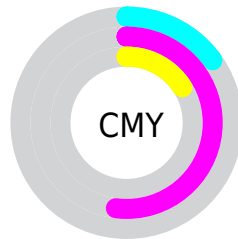
- Red (85%)
- Green (48%)
- Blue (84%)



- Red (85%)
- Yellow (48%)
- Blue (84%)



- Cyan (0%)
- Magenta (44%)
- Yellow (1%)
- Black (15%)




- Cyan (15%)
- Magenta (52%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8405, 33.5771, 68.2495 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 47.8405, 33.5771, 68.2495 by changing the saturation by 10% instead.




 47.8405, 33.5771,  
68.2495


 47.8405, 33.5771,  
68.2495

368.7527,  
318.2422, 473.0015


 33.9113, 22.5689,  
49.6328

 86.1780, 65.2755,  
118.3666

 22.9880, 14.2755,  
34.7526

 111.3171, 86.7345,  
150.7040

 14.7053, 8.3125,  
23.1903


 140.9234,  
112.4458, 188.4522

 8.6978, 4.2956,  
14.5275

175.3625,  
142.7940, 232.0295

 4.6001, 1.8402,  
8.3455

214.9996,  
178.1633, 281.8545

 2.0469, 0.5121,  
4.2259

260.2001,

 0.6601, 0.0000,

218.9382, 338.3459

1.7501

311.3293,  
265.5030, 401.9220

■ 0.0000, 0.0000,  
0.3947

■ 0.0000, 0.0000,  
0.0000

■ 47.8405, 33.5771,  
68.2495

■ 47.8405, 33.5771,  
68.2495

■ 45.4093, 28.8078,  
67.1501

■ 50.8690, 39.5392,  
69.5495

■ 43.5319, 25.1465,  
66.2358


■ 54.5276, 46.7622,  
71.0600


■ 42.1644, 22.5049,  
65.4922


■ 58.8511, 55.3145,  
72.7929


■ 41.2549, 20.7789,  
64.9022


■ 63.8706, 65.2584,  
74.7586


 40.7403, 19.8425,  
64.4445


 69.6150, 76.6522,  
76.9668

 40.5538, 19.5272,  
64.2047

 76.1120, 89.5507,  
79.4266

 77.0566, 91.3443,  
80.0365

 77.1166, 91.3683,  
80.3523

 77.1767, 91.3923,  
80.6690

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.0747, 33.5771, 96.2706



47.8405, 33.5771, 68.2495



51.2945, 33.5771, 38.7664

# Triad

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



47.8405, 33.5771, 68.2495



32.6755, 33.5771, 6.8263



19.4363, 33.5771, 62.7240

# Complementary

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



47.8405, 33.5771, 68.2495



36.4784, 55.2197, 27.8066

# 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.



18.1574, 33.5771, 34.4385



47.8405, 33.5771, 68.2495



24.9440, 33.5771, 8.6752

# Square

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



47.8405, 33.5771, 68.2495



41.6171, 33.5771, 9.5311



19.9842, 33.5771, 16.6061



23.8501, 33.5771, 92.2034



# Rectangle

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



47.8405, 33.5771, 68.2495



50.2978, 33.5771, 24.2413



19.9842, 33.5771, 16.6061



18.6641, 33.5771, 52.4721

# Sweetspot

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



47.8416, 33.5786, 68.2502



85.2592, 80.5980, 105.0829



27.7376, 23.1847, 68.6596



17.9305, 16.6209, 22.3659



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.



47.8416, 33.5786, 68.2502



65.5335, 41.6949, 96.8173



42.6362, 31.4964, 40.8390



13.6019, 13.2699, 16.4310



24.5541, 11.8227, 38.8934



1.5946, 0.7675, 2.5400



# Inverse Universe

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



47.8416, 33.5786, 68.2502



65.5335, 41.6949, 96.8173



40.1989, 56.7078, 47.3983



13.6019, 13.2699, 16.4310



24.5541, 11.8227, 38.8934

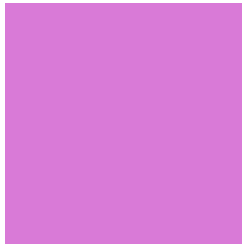


1.5946, 0.7675, 2.5400



# Previews

## White Background



This preview shows how the XYZ color 47.8405, 33.5771, 68.2495 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

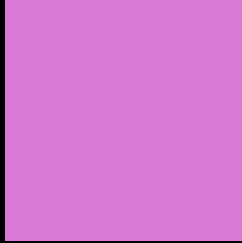
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.8405, 33.5771, 68.2495 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

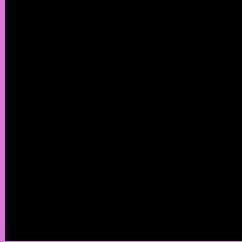
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.8405, 33.5771, 68.2495**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.8405, 33.5771, 68.2495.



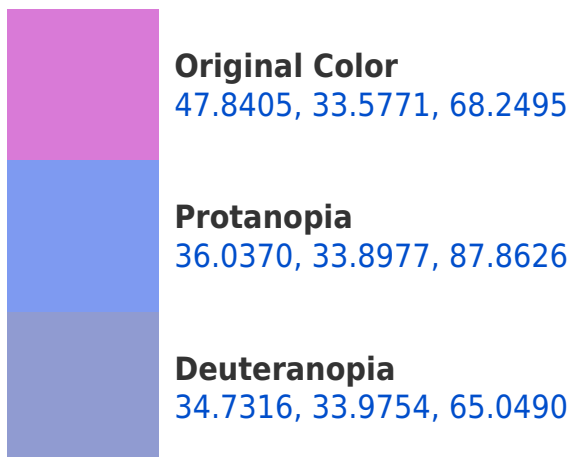
This preview shows how white text looks on a background with the XYZ color 47.8405, 33.5771,



# 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

40.5066, 33.5532, 31.9452

# Trichromacy



## Original Color

47.8405, 33.5771, 68.2495



## Protanomaly

38.5366, 32.5431, 80.5943



## Deuteranomaly

38.3749, 33.0060, 65.9762



## Tritanomaly

42.8490, 33.4781, 43.2333

# Monochromacy



## Original Color

47.8405, 33.5771, 68.2495



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

37.8303, 34.0274, 48.2901

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8405, 33.5771, 68.2495 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(217, 122, 215)` looks like.

```
.text, #text, p{  
    color:rgb(217, 122, 215)  
}
```

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(217, 122, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 122, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8405, 33.5771, 68.2495 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(217, 122, 215) }
```



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

```
.border{ border-color:rgb(217, 122, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 122, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 122, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 122, 215);  
box-shadow:4px 4px 4px 4px rgb(217, 122,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8405, 33.5771, 68.2495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 122, 215) }
```

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

```
.background{ background-color: rgb(217,  
122, 215) }
```

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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