

# Converting Colors

XYZ(48.3259, 32.5478, 66.3382)

Have a look what the booklet for  
XYZ(48.3259, 32.5478, 66.3382)  
contains.

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# Color

**XYZ(48.3324, 32.4761,  
66.0085)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF72D4
RGB	223, 114, 212
RGB Percent	87%, 45%, 83%
CMY	0.1255, 0.5529, 0.1686
CMYK	0.00, 0.49, 0.05, 0.13
HSL	306°, 63%, 66%
HSV	306°, 49%, 87%
XYZ	48.3324, 32.4761, 66.0085
YIQ	157.7630, 33.5060, 53.5860

# Conversions

## Conversions Part 2

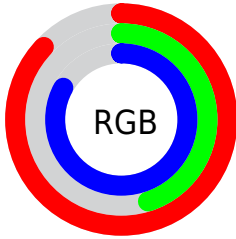
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">223, 114, 212</a>
Decimal	<a href="#">14643924</a>
CIELab	<a href="#">63.73, 55.41, -31.80</a>
CIELCh	<a href="#">64, 63.881, 330.150</a>
Yxy	<a href="#">32.4761, 0.3292, 0.2212</a>
Android (android.graphics.Color)	<a href="#">4292834004 (0xFFDF72D4)</a>
YUV	<a href="#">157.7630, 26.7388, 57.2128</a>
Hunter-Lab	<a href="#">56.9878, 51.6605, -28.7836</a>

# Details

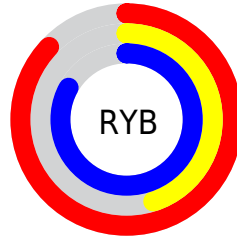
The XYZ color **48.3324, 32.4761, 66.0085** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.0302, 57.8346, 28.6156**, and the grayscale version is **32.2654, 33.9457, 36.9669**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **23.1668, 13.5616, 33.2949** is the 20% darker color. If you saturate the color by 10%, you get **45.8352, 27.9322, 63.7853**, and if you desaturate by 10%, it is **51.4488, 38.2507, 68.4582**.

# Distribution



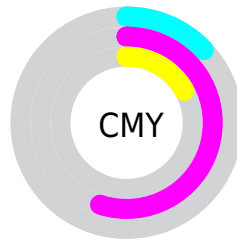
- Red (87%)
- Green (45%)
- Blue (83%)



- Red (87%)
- Yellow (45%)
- Blue (83%)



- Cyan (0%)
- Magenta (49%)
- Yellow (5%)
- Black (13%)




- Cyan (13%)
- Magenta (55%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3324, 32.4761, 66.0085 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 48.3324, 32.4761, 66.0085 by changing the saturation by 10% instead.




 48.3324, 32.4761,  
66.0085


 48.3324, 32.4761,  
66.0085

370.6689,  
313.2824, 464.8123


 34.3025, 21.7254,  
47.8228


 86.9058, 63.5567,  
115.1257

 23.2901, 13.6553,  
33.3276


 112.1801, 84.6554,  
146.8942

 14.9297, 7.8813,  
22.1043


 141.9332,  
109.9723, 184.0273

 8.8561, 4.0191,  
13.7345

176.5305,  
139.8917, 226.9437

 4.7038, 1.6842,  
7.7996

216.3374,  
174.7980, 276.0619

 2.1075, 0.4134,  
3.8811

261.7191,

 0.6933, 0.0000,

215.0756, 331.8004

1.5603

313.0412,  
261.1089, 394.5777

■ 0.0000, 0.0000,  
0.2623

■ 0.0000, 0.0000,  
0.0000

■ 48.3324, 32.4761,  
66.0085

■ 48.3324, 32.4761,  
66.0085

■ 45.8352, 27.9322,  
63.7853

■ 51.4488, 38.2507,  
68.4582

■ 43.9086, 24.5239,  
61.7715


■ 55.2219, 45.3330,  
71.1462


■ 42.5020, 22.1494,  
59.9503


■ 59.6902, 53.7992,  
74.0855


■ 41.5545, 20.6868,  
58.3015


■ 64.8880, 63.7181,  
77.2878


 40.9719, 19.9477,  
56.7935


 70.8476, 75.1542,  
80.7638

 40.9150, 19.8815,  
56.6282

 77.5993, 88.1678,  
84.5238

 80.1614, 92.7960,  
86.9072

 80.4755, 92.9217,  
88.5614

 80.7937, 93.0489,  
90.2371

# Harmonies

## Analogous

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



40.3450, 32.4761, 97.4084



48.3324, 32.4761, 66.0085



51.4773, 32.4761, 35.2319

# Triad

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



48.3324, 32.4761, 66.0085



30.8225, 32.4761, 5.4246



18.2479, 32.4761, 66.3483

# Complementary

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



48.3324, 32.4761, 66.0085



37.0302, 57.8346, 28.6156

# 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.



16.6564, 32.4761, 35.4903



48.3324, 32.4761, 66.0085



23.0044, 32.4761, 7.5688

# Square

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



48.3324, 32.4761, 66.0085



40.2516, 32.4761, 7.5227



18.2162, 32.4761, 16.0627



23.0686, 32.4761, 97.6625



# Rectangle

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



48.3324, 32.4761, 66.0085



50.0100, 32.4761, 20.9530



18.2162, 32.4761, 16.0627



17.3644, 32.4761, 55.2054

# Sweetspot

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



48.3335, 32.4776, 66.0092



83.4231, 77.7308, 101.9889



27.7810, 21.7166, 72.5403



17.5463, 16.0476, 21.6363



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.



48.3335, 32.4776, 66.0092



61.9467, 37.5520, 86.2780



42.5872, 30.1791, 35.7498



14.2323, 13.9105, 16.9933



24.0813, 11.6995, 33.4235



1.6867, 0.8179, 2.4087



# Inverse Universe

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



48.3335, 32.4776, 66.0092



61.9467, 37.5520, 86.2780



41.5057, 59.6247, 52.1830



14.2323, 13.9105, 16.9933



24.0813, 11.6995, 33.4235



1.6867, 0.8179, 2.4087



# Previews

## White Background



This preview shows how the XYZ color 48.3324, 32.4761, 66.0085 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

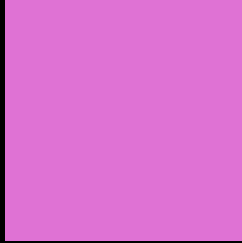
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.3324, 32.4761, 66.0085 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

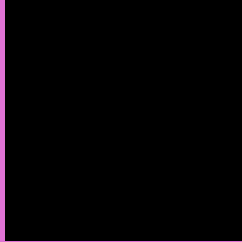
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.3324, 32.4761, 66.0085**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.3324, 32.4761, 66.0085.



This preview shows how white text looks on a background with the XYZ color 48.3324, 32.4761,



# 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

48.3324, 32.4761, 66.0085

### Protanopia

35.2911, 32.9925, 89.3022

### Deuteranopia

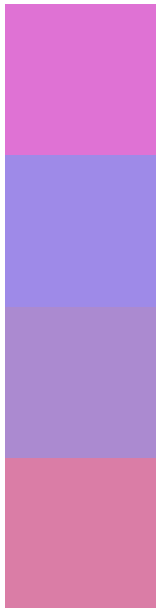
33.4030, 32.6150, 62.2924



## Tritanopia

40.8743, 32.5731, 28.9439

# Trichromacy



**Original Color**

48.3324, 32.4761, 66.0085

**Protanomaly**

37.7545, 31.2723, 80.3902

**Deuteranomaly**

37.2682, 31.3890, 63.7689

**Tritanomaly**

43.1300, 32.3258, 40.0427

# Monochromacy



**Original Color**

48.3324, 32.4761, 66.0085

**Achromatopsia**

32.4990, 34.1914, 37.2345

**Achromatomaly**

37.0003, 32.5054, 46.4435

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.3324, 32.4761, 66.0085 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(223, 114, 212)` looks like.

```
.text, #text, p{  
    color:rgb(223, 114, 212)  
}
```

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(223, 114, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 114, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 48.3324, 32.4761, 66.0085 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(223, 114, 212) }
```



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

```
.border{ border-color:rgb(223, 114, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 114, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 114, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 114, 212);  
box-shadow:4px 4px 4px 4px rgb(223, 114,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.3324, 32.4761, 66.0085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 114, 212) }
```

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

```
.background{ background-color: rgb(223,  
114, 212) }
```

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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