

# Converting Colors

XYZ(48.8784, 36.4058, 55.3342)

Have a look what the booklet for  
XYZ(48.8784, 36.4058, 55.3342)  
contains.

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# Color

**XYZ(48.7293, 36.2449,  
55.4666)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E084C2
RGB	224, 132, 194
RGB Percent	88%, 52%, 76%
CMY	0.1216, 0.4823, 0.2392
CMYK	0.00, 0.41, 0.13, 0.12
HSL	320°, 60%, 70%
HSV	320°, 41%, 88%
XYZ	48.7293, 36.2449, 55.4666
YIQ	166.5760, 34.9300, 38.7860

# Conversions

## Conversions Part 2

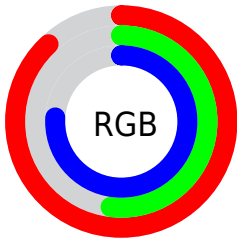
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 132, 194
Decimal	14714050
CIE Lab	66.71, 43.68, -17.13
CIE LCh	67, 46.924, 338.585
Yxy	36.2449, 0.3470, 0.2581
Android (android.graphics.Color)	4292904130 (0xFFE084C2)
YUV	166.5760, 13.5200, 50.3608
Hunter-Lab	60.2037, 39.1225, -12.4821

# Details

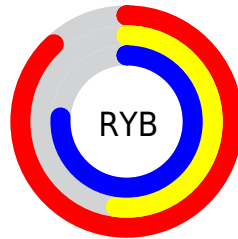
The XYZ color **48.7293, 36.2449, 55.4666** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **42.6945, 60.8265, 43.6755**, and the grayscale version is **36.4501, 38.3484, 41.7614**.

A 20% lighter version of the original color is **76.4229, 63.7657, 99.5469**, and **23.5386, 15.8463, 26.6290** is the 20% darker color. If you saturate the color by 10%, you get **45.2113, 30.4892, 50.3454**, and if you desaturate by 10%, it is **52.9420, 43.3243, 61.0191**.

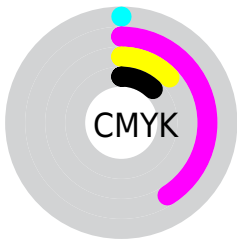
# Distribution



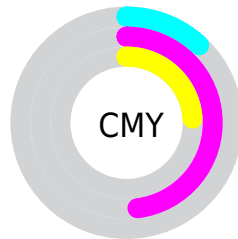
- Red (88%)
- Green (52%)
- Blue (76%)



- Red (88%)
- Yellow (52%)
- Blue (76%)



- Cyan (0%)
- Magenta (41%)
- Yellow (13%)
- Black (12%)




- Cyan (12%)
- Magenta (48%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7293, 36.2449, 55.4666 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 48.7293, 36.2449, 55.4666 by changing the saturation by 10% instead.





 48.7293, 36.2449,  
55.4666

 48.7293, 36.2449,  
55.4666


372.2103,  
330.0297, 425.0099


 34.6184, 24.6234,  
39.3743


 87.4924, 69.4099,  
99.7023

 23.5342, 15.7967,  
26.7410


 112.8754, 91.7222,  
128.6827

 15.1113, 9.3804,  
17.1481


 142.7464,  
118.3668, 162.7963

 8.9844, 4.9901,  
10.1770

177.4709,  
149.7283, 202.4615

 4.7880, 2.2415,  
5.4094

217.4142,  
186.1909, 248.0969

 2.1569, 0.7425,  
2.4265

262.9416,

 0.7199, 0.0000,

228.1391, 300.1211

0.8008

314.4185,  
275.9572, 358.9526

■ 0.0000, 0.0000,  
0.0000

■ 48.7293, 36.2449,  
55.4666

■ 48.7293, 36.2449,  
55.4666

■ 45.2113, 30.4892,  
50.3454

■ 52.9420, 43.3243,  
61.0191

■ 42.3419, 25.9677,  
45.6362

■ 57.8849, 51.7992,  
67.0163

■ 40.0745, 22.5876,  
41.3210


■ 63.5952, 61.7426,  
73.4738


■ 38.3548, 20.2409,  
37.3787


■ 70.1064, 73.2205,  
80.4054


■ 37.1175, 18.7985,  
33.7845

■ 77.4499, 86.2951,  
87.8242

 36.3228, 18.0802,  
30.8337

 81.9082, 93.5304,  
94.4936

 83.0025, 93.9681,  
100.2564

 84.1410, 94.4235,  
106.2512

 84.5507, 94.5874,  
108.4086

# Harmonies

## Analogous

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



43.6495, 36.2449, 78.4233



48.7293, 36.2449, 55.4666



49.7274, 36.2449, 33.9296

# Triad

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



48.7293, 36.2449, 55.4666



32.4586, 36.2449, 12.1168



24.8727, 36.2449, 69.0907

# Complementary

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



48.7293, 36.2449, 55.4666



42.6945, 60.8265, 43.6755

# 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.



22.6734, 36.2449, 45.5709



48.7293, 36.2449, 55.4666



26.6429, 36.2449, 16.1726

# Square

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



48.7293, 36.2449, 55.4666



39.6590, 36.2449, 13.1714



23.2738, 36.2449, 26.8805



29.7178, 36.2449, 87.9801



# Rectangle

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



48.7293, 36.2449, 55.4666



47.8288, 36.2449, 23.6046



23.2738, 36.2449, 26.8805



23.8319, 36.2449, 61.1944

# Sweetspot

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



48.7304, 36.2466, 55.4673



84.4880, 81.3804, 97.6582



36.4324, 29.4773, 74.2909



17.8583, 17.0242, 20.6530



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.



48.7304, 36.2466, 55.4673



61.3993, 42.1066, 68.6794



44.4073, 34.5173, 32.7020



14.0950, 13.8556, 16.2703



21.1973, 10.5459, 18.2367



1.5099, 0.7472, 1.4779



# Inverse Universe

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



48.7304, 36.2466, 55.4673



61.3993, 42.1066, 68.6794



47.4514, 62.7292, 68.7250



14.0950, 13.8556, 16.2703



21.1973, 10.5459, 18.2367



1.5099, 0.7472, 1.4779



# Previews

## White Background



This preview shows how the XYZ color 48.7293, 36.2449, 55.4666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

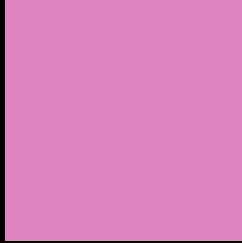
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.7293, 36.2449, 55.4666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

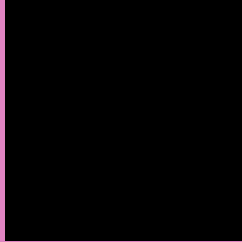
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.7293, 36.2449, 55.4666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.7293, 36.2449, 55.4666.



This preview shows how white text looks on a background with the XYZ color 48.7293, 36.2449,

55.4666.

# 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

48.7293, 36.2449, 55.4666

### Protanopia

37.0952, 36.6407, 68.7356

### Deuteranopia

37.3093, 36.5774, 53.2378



## Tritanopia

44.1774, 36.0506, 33.9082

# Trichromacy



## Original Color

48.7293, 36.2449, 55.4666



## Protanomaly

40.0733, 35.5478, 63.7808



## Deuteranomaly

40.6449, 35.8213, 54.0622



## Tritanomaly

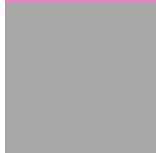
45.7395, 36.0535, 41.1075

# Monochromacy



## Original Color

48.7293, 36.2449, 55.4666



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

40.2305, 36.9769, 46.6119

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.7293, 36.2449, 55.4666 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(224, 132, 194)` looks like.

```
.text, #text, p{  
    color:rgb(224, 132, 194)  
}
```

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(224, 132, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 132, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 48.7293, 36.2449, 55.4666 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(224, 132, 194) }
```



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

```
.border{ border-color:rgb(224, 132, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 132, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 132, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 132, 194);  
box-shadow:4px 4px 4px 4px rgb(224, 132,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.7293, 36.2449, 55.4666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 132, 194) }
```

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

```
.background{ background-color: rgb(224,  
132, 194) }
```

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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