

Converting Colors

XYZ(49.9913, 36.2670, 48.0815)

Have a look what the booklet for
XYZ(49.9913, 36.2670, 48.0815)
contains.

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Color

**XYZ(49.9913, 36.2670,
48.0815)**

Conversions

Conversions Part 1

Format	Color
Hex	EA80B5
RGB	234, 128, 181
RGB Percent	92%, 50%, 71%
CMY	0.0824, 0.4980, 0.2902
CMYK	0.00, 0.45, 0.23, 0.08
HSL	330°, 72%, 71%
HSV	330°, 45%, 92%
XYZ	49.9913, 36.2670, 48.0815
YIQ	165.7360, 46.1630, 38.9550

Conversions

Conversions Part 2

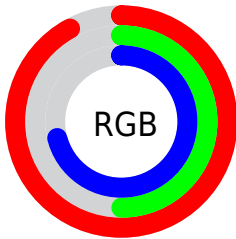
Format	Color
R_{YB}	234, 128, 181
Decimal	15368373
CIE _{Lab}	66.72, 47.04, -9.67
CIE _{LCh}	67, 48.022, 348.378
Yxy	36.2670, 0.3721, 0.2700
Android (android.graphics.Color)	4293558453 (0xFFEA80B5)
YUV	165.7360, 7.5252, 59.8675
Hunter-Lab	60.2221, 42.7870, -5.1819

Details

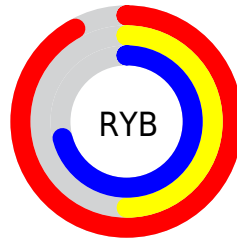
The XYZ color **49.9913, 36.2670, 48.0815** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **46.6671, 66.7719, 54.1479**, and the grayscale version is **36.0685, 37.9468, 41.3241**.

A 20% lighter version of the original color is **73.4595, 61.2414, 88.0698**, and **24.3169, 15.8208, 22.1941** is the 20% darker color. If you saturate the color by 10%, you get **46.1330, 30.3915, 41.1188**, and if you desaturate by 10%, it is **54.6563, 43.5937, 55.8114**.

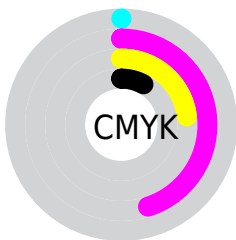
Distribution



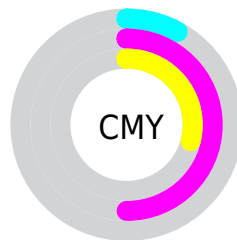
- Red (92%)
- Green (50%)
- Blue (71%)



- Red (92%)
- Yellow (50%)
- Blue (71%)



- Cyan (0%)
- Magenta (45%)
- Yellow (23%)
- Black (8%)





- Cyan (8%)
- Magenta (50%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9913, 36.2670, 48.0815 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 49.9913, 36.2670, 48.0815 by changing the saturation by 10% instead.


 49.9913, 36.2670,
48.0815


 49.9913, 36.2670,
48.0815


377.0845,
330.1260, 395.6331


 35.6243, 24.6405,
33.5310


 89.3539, 69.4440,
88.6925

 24.3129, 15.8094,
22.2591


 115.0801, 91.7632,
115.5902

 15.6919, 9.3894,
13.8473


 145.3235,
118.4155, 147.4406

 9.3959, 4.9960,
7.8770

180.4493,
149.7852, 184.6623

 5.0594, 2.2449,
3.9297

220.8230,
186.2567, 227.6738

 2.3173, 0.7443,
1.5868

266.8098,

 0.8035, 0.0000,

228.2144, 276.8938

0.2814

318.7752,
276.0427, 332.7407

■ 0.0000, 0.0000,
0.0000

■ 49.9913, 36.2670,
48.0815

■ 49.9913, 36.2670,
48.0815

■ 46.1330, 30.3915,
41.1188

■ 54.6563, 43.5937,
55.8114

■ 43.0267, 25.8629,
34.8917

■ 60.1715, 52.4561,
64.3335

■ 40.6155, 22.5713,
29.3690

■ 66.5810, 62.9383,
73.6744

■ 38.8324, 20.3867,
24.5153

■ 73.9249, 75.1168,
83.8583

■ 37.5953, 19.1495,
20.2893

■ 82.2407, 89.0631,
94.9084

■ 37.1423, 18.7767,
18.4946

■ 87.1366, 95.9904,
105.3711

■ 87.7418, 96.2325,
108.5580

Harmonies

Analogous

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



45.9654, 36.2670, 72.3489



49.9913, 36.2670, 48.0815



49.4490, 36.2670, 28.2006

Triad

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



49.9913, 36.2670, 48.0815



30.2634, 36.2670, 12.4425



26.0228, 36.2670, 77.4403

Complementary

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



49.9913, 36.2670, 48.0815



46.6671, 66.7719, 54.1479

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.



22.8709, 36.2670, 53.4465



49.9913, 36.2670, 48.0815



25.0724, 36.2670, 18.4783

Square

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



49.9913, 36.2670, 48.0815



37.3533, 36.2670, 11.8877



22.5493, 36.2670, 31.9858



31.7404, 36.2670, 92.8591

Rectangle

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



49.9913, 36.2670, 48.0815



46.5822, 36.2670, 19.5407



22.5493, 36.2670, 31.9858



24.6647, 36.2670, 69.7895

Sweetspot

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



49.9924, 36.2688, 48.0822



81.9577, 78.2029, 91.0101



41.6282, 31.2048, 81.6711



17.1541, 16.0990, 18.9289



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.



49.9924, 36.2688, 48.0822



56.5148, 37.6040, 50.8158



45.5485, 34.4912, 24.6811



15.3796, 15.1797, 17.2841



20.9355, 10.5769, 10.7276



1.6925, 0.8500, 1.0981

Inverse Universe

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



49.9924, 36.2688, 48.0822



56.5148, 37.6040, 50.8158



53.1773, 69.3760, 88.4302



15.3796, 15.1797, 17.2841



20.9355, 10.5769, 10.7276



1.6925, 0.8500, 1.0981

Previews

White Background



This preview shows how the XYZ color 49.9913, 36.2670, 48.0815 looks on a white background.

Color Contrast Check

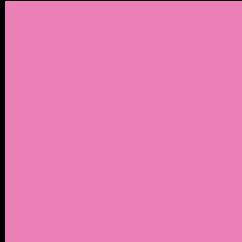
Large Text (above 18pt) WCAG AA × Fail

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 49.9913, 36.2670, 48.0815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

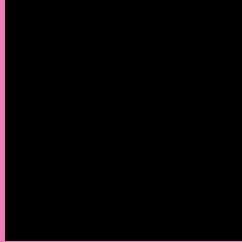
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9913, 36.2670, 48.0815

Background



This preview shows how black text looks on a background with the XYZ color 49.9913, 36.2670, 48.0815.



This preview shows how white text looks on a background with the XYZ color 49.9913, 36.2670,

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

49.9913, 36.2670, 48.0815

Protanopia

36.6612, 36.5738, 61.6271

Deuteranopia

37.2969, 36.4725, 46.1484



Tritanopia

46.4079, 36.1953, 31.3285

Trichromacy



Original Color

49.9913, 36.2670, 48.0815



Protanomaly

39.8892, 35.3801, 56.3564



Deuteranomaly

40.9753, 35.6839, 46.8475



Tritanomaly

47.3778, 35.9601, 36.7917

Monochromacy



Original Color

49.9913, 36.2670, 48.0815



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

40.0648, 36.4731, 43.4564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9913, 36.2670, 48.0815 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(234, 128, 181)` looks like.

```
.text, #text, p{  
    color:rgb(234, 128, 181)  
}
```

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(234, 128, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 128, 181) }
```

Border

The CSS property to change the border of an element to XYZ 49.9913, 36.2670, 48.0815 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(234, 128, 181) }
```


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

```
.border{ border-color:rgb(234, 128, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 128, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 128, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 128, 181);  
box-shadow:4px 4px 4px 4px rgb(234, 128,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9913, 36.2670, 48.0815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 128, 181) }
```

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

```
.background{ background-color: rgb(234,  
128, 181) }
```

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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