

Converting Colors

XYZ(49.5389, 36.0901, 49.6476)

Have a look what the booklet for
XYZ(49.5389, 36.0901, 49.6476)
contains.

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Color

**XYZ(49.6496, 36.0548,
49.6899)**

Conversions

Conversions Part 1

Format	Color
Hex	E880B8
RGB	232, 128, 184
RGB Percent	91%, 50%, 72%
CMY	0.0902, 0.4980, 0.2784
CMYK	0.00, 0.45, 0.21, 0.09
HSL	328°, 69%, 71%
HSV	328°, 45%, 91%
XYZ	49.6496, 36.0548, 49.6899
YIQ	165.4800, 44.0080, 39.4640

Conversions

Conversions Part 2

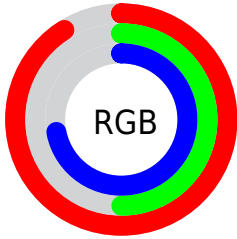
Format	Color
R _Y B	232, 128, 184
Decimal	15237304
CIE Lab	66.56, 46.81, -11.63
CIE LCh	67, 48.236, 346.045
Yxy	36.0548, 0.3667, 0.2663
Android (android.graphics.Color)	4293427384 (0xFFE880B8)
YUV	165.4800, 9.1304, 58.3380
Hunter-Lab	60.0456, 42.5154, -7.0326

Details

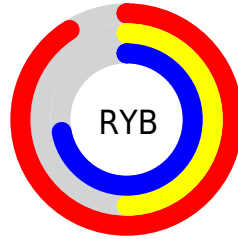
The XYZ color **49.6496, 36.0548, 49.6899** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **45.5968, 65.4380, 51.3048**, and the grayscale version is **35.9384, 37.8100, 41.1751**.

A 20% lighter version of the original color is **73.9017, 61.4182, 90.3979**, and **24.0684, 15.6695, 23.2287** is the 20% darker color. If you saturate the color by 10%, you get **45.8819, 30.2480, 43.1040**, and if you desaturate by 10%, it is **54.1961, 43.2825, 56.9554**.

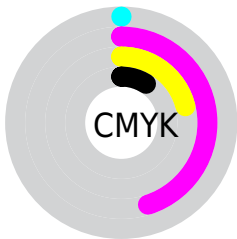
Distribution



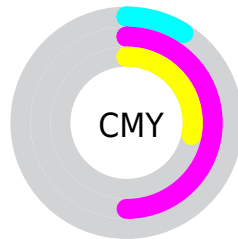
- Red (91%)
- Green (50%)
- Blue (72%)



- Red (91%)
- Yellow (50%)
- Blue (72%)



- Cyan (0%)
- Magenta (45%)
- Yellow (21%)
- Black (9%)





- Cyan (9%)
- Magenta (50%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6496, 36.0548, 49.6899 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 49.6496, 36.0548, 49.6899 by changing the saturation by 10% instead.


 49.6496, 36.0548,
49.6899


 49.6496, 36.0548,
49.6899

375.7688,
329.2000, 402.1523


 35.3517, 24.4765,
34.7976


 88.8504, 69.1166,
91.1068

 24.1017, 15.6875,
23.2247


 114.4841, 91.3690,
118.4685

 15.5342, 9.3033,
14.5527


 144.6270,
117.9482, 150.8238

 9.2839, 4.9395,
8.3629

179.6446,
149.2385, 188.5911

 4.9854, 2.2118,
4.2370

219.9023,
185.6245, 232.1891

 2.2734, 0.7264,
1.7562

265.7653,

 0.7810, 0.0000,

227.4905, 282.0363

0.3988

317.5990,
275.2208, 338.5512

■ 0.0000, 0.0000,
0.0000

■ 49.6496, 36.0548,
49.6899

■ 49.6496, 36.0548,
49.6899

■ 45.8819, 30.2480,
43.1040

■ 54.1961, 43.2825,
56.9554

■ 42.8402, 25.7607,
37.1698

■ 59.5634, 52.0131,
64.9223

■ 40.4699, 22.4860,
31.8599

■ 65.7940, 62.3286,
73.6137

■ 38.7062, 20.2982,
27.1428

■ 72.9264, 74.3034,
83.0511

■ 37.4706, 19.0431,
22.9820

■ 80.9968, 88.0072,
93.2546

■ 36.9754, 18.6345,
21.0228

■ 86.0210, 95.4687,
102.9040

■ 87.0889, 95.8959,
108.5274

Harmonies

Analogous

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



45.3112, 36.0548, 73.9838



49.6496, 36.0548, 49.6899



49.4814, 36.0548, 29.2280

Triad

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



49.6496, 36.0548, 49.6899



30.5600, 36.0548, 12.0381



25.4783, 36.0548, 75.5653

Complementary

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



49.6496, 36.0548, 49.6899



45.5968, 65.4380, 51.3048

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.



22.5457, 36.0548, 51.3532



49.6496, 36.0548, 49.6899



25.1845, 36.0548, 17.5616

Square

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



49.6496, 36.0548, 49.6899



37.7406, 36.0548, 11.8676



22.4463, 36.0548, 30.3982



31.0171, 36.0548, 92.1214

Rectangle

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



49.6496, 36.0548, 49.6899



46.8161, 36.0548, 20.1457



22.4463, 36.0548, 30.3982



24.1916, 36.0548, 67.7341

Sweetspot

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



49.6507, 36.0565, 49.6906



83.0050, 79.6963, 93.2122



39.9206, 30.3574, 80.0999



17.3702, 16.3968, 19.4152



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.



49.6507, 36.0565, 49.6906



57.0891, 37.8337, 53.8401



45.2467, 34.2949, 26.4997



14.6999, 14.4971, 16.6198



20.5915, 10.3708, 12.0098



1.5684, 0.7851, 1.1339

Inverse Universe

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



49.6507, 36.0565, 49.6906



57.0891, 37.8337, 53.8401



51.5974, 67.8383, 82.9036



14.6999, 14.4971, 16.6198



20.5915, 10.3708, 12.0098



1.5684, 0.7851, 1.1339

Previews

White Background



This preview shows how the XYZ color 49.6496, 36.0548, 49.6899 looks on a white background.

Color Contrast Check

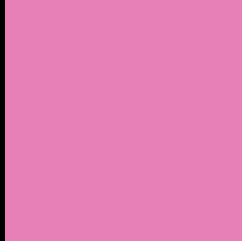
Large Text (above 18pt) WCAG AA × Fail

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 49.6496, 36.0548, 49.6899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

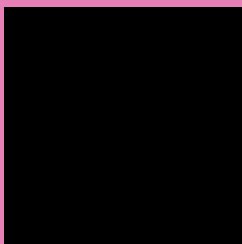
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6496, 36.0548, 49.6899

Background



This preview shows how black text looks on a background with the XYZ color 49.6496, 36.0548, 49.6899.



This preview shows how white text looks on a background with the XYZ color 49.6496, 36.0548,

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

49.6496, 36.0548, 49.6899

Protanopia

36.6479, 36.5253, 63.5110

Deuteranopia

36.9411, 36.2544, 47.6986



Tritanopia

45.9874, 36.1776, 31.7533

Trichromacy



Original Color

49.6496, 36.0548, 49.6899



Protanomaly

39.7629, 35.2754, 58.1392



Deuteranomaly

40.7665, 35.5411, 48.4275



Tritanomaly

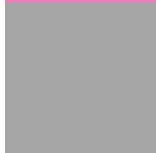
47.0458, 35.9711, 37.7212

Monochromacy



Original Color

49.6496, 36.0548, 49.6899



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

39.6609, 36.2538, 43.9371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6496, 36.0548, 49.6899 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(232, 128, 184)` looks like.

```
.text, #text, p{  
    color:rgb(232, 128, 184)  
}
```

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(232, 128, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 128, 184) }
```

Border

The CSS property to change the border of an element to XYZ 49.6496, 36.0548, 49.6899 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(232, 128, 184) }
```


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

```
.border{ border-color:rgb(232, 128, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 128, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 128, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 128, 184);  
box-shadow:4px 4px 4px 4px rgb(232, 128,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6496, 36.0548, 49.6899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 128, 184) }
```

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

```
.background{ background-color: rgb(232,  
128, 184) }
```

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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