

Converting Colors

XYZ(49.9156, 36.9472, 55.2169)

Have a look what the booklet for
XYZ(49.9156, 36.9472, 55.2169)
contains.

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Color

**XYZ(49.8718, 36.8468,
54.9357)**

Conversions

Conversions Part 1

Format	Color
Hex	E484C1
RGB	228, 132, 193
RGB Percent	89%, 52%, 76%
CMY	0.1059, 0.4823, 0.2431
CMYK	0.00, 0.42, 0.15, 0.11
HSL	322°, 64%, 71%
HSV	322°, 42%, 89%
XYZ	49.8718, 36.8468, 54.9357
YIQ	167.6580, 37.6350, 39.3230

Conversions

Conversions Part 2

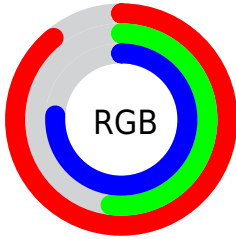
Format	Color
R _Y B	228, 132, 193
Decimal	14976193
CIE Lab	67.16, 44.83, -15.84
CIE LCh	67, 47.541, 340.542
Yxy	36.8468, 0.3521, 0.2601
Android (android.graphics.Color)	4293166273 (0xFFE484C1)
YUV	167.6580, 12.4936, 52.9199
Hunter-Lab	60.7016, 40.4261, -11.1671

Details

The XYZ color **49.8718, 36.8468, 54.9357** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **44.2358, 63.1834, 46.4262**, and the grayscale version is **36.9808, 38.9067, 42.3694**.

A 20% lighter version of the original color is **76.2656, 63.7028, 98.7187**, and **24.2508, 16.1140, 26.2582** is the 20% darker color. If you saturate the color by 10%, you get **46.2098, 30.9650, 49.2677**, and if you desaturate by 10%, it is **54.2638, 44.1041, 61.1050**.

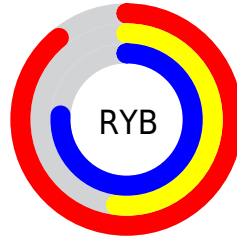
Distribution



Red (89%)

Green (52%)

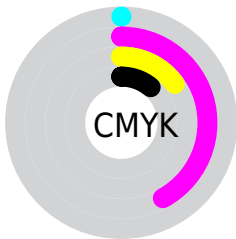
Blue (76%)



Red (89%)

Yellow (52%)

Blue (76%)

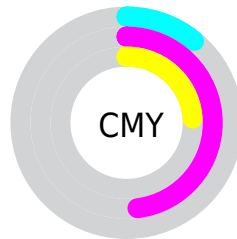


Cyan (0%)

Magenta (42%)

Yellow (15%)

Black (11%)



Cyan (11%)


Magenta (48%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8718, 36.8468, 54.9357 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 49.8718, 36.8468, 54.9357 by changing the saturation by 10% instead.


 49.8718, 36.8468,
54.9357


 49.8718, 36.8468,
54.9357


376.6247,
332.6468, 422.9432


 35.5289, 25.0889,
38.9520

 89.1779, 70.3371,
98.9169

 24.2390, 16.1433,
26.4148


 114.8718, 92.8383,
127.7516

 15.6367, 9.6256,
16.9057


 145.0800,
119.6894, 161.7069

 9.3567, 5.1514,
10.0060

180.1681,
151.2747, 201.2015

 5.0335, 2.3364,
5.2973

220.5012,
187.9787, 246.6539

 2.3019, 0.7929,
2.3610

266.4448,

 0.7956, 0.0000,

230.1858, 298.4826

0.7651

318.3641,
278.2804, 357.1062

■ 0.0000, 0.0000,
0.0000

■ 49.8718, 36.8468,
54.9357

■ 49.8718, 36.8468,
54.9357

■ 46.2098, 30.9650,
49.2677

■ 54.2638, 44.1041,
61.1050

■ 43.2290, 26.3641,
44.0794

■ 59.4236, 52.8129,
67.7912

■ 40.8800, 22.9460,
39.3505


■ 65.3906, 63.0498,
75.0116


■ 39.1046, 20.5958,
35.0571


■ 72.2001, 74.8846,
82.7822


■ 37.8329, 19.1754,
31.1714

■ 79.8855, 88.3825,
91.1177

 37.0960, 18.5344,
28.3584

 83.9144, 94.4778,
98.5111

 85.1979, 94.9912,
105.2698

 85.8051, 95.2341,
108.4673

Harmonies

Analogous

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



44.8825, 36.8468, 78.7293



49.8718, 36.8468, 54.9357



50.5848, 36.8468, 33.2525

Triad

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



49.8718, 36.8468, 54.9357



32.5337, 36.8468, 12.2858



25.4640, 36.8468, 72.0520

Complementary

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



49.8718, 36.8468, 54.9357



44.2358, 63.1834, 46.4262

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.



23.0312, 36.8468, 47.8732



49.8718, 36.8468, 54.9357



26.7227, 36.8468, 16.7929

Square

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



49.8718, 36.8468, 54.9357



39.8716, 36.8468, 13.0297



23.4577, 36.8468, 28.2406



30.5821, 36.8468, 90.7371

Rectangle

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



49.8718, 36.8468, 54.9357



48.4458, 36.8468, 23.0653



23.4577, 36.8468, 28.2406



24.3394, 36.8468, 64.0085

Sweetspot

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



49.8729, 36.8485, 54.9364



83.4860, 79.8887, 95.7454



37.8988, 30.1699, 77.2251



17.4891, 16.4443, 20.0414



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.



49.8729, 36.8485, 54.9364



59.9013, 40.4482, 64.0564



45.4671, 35.0862, 31.7356



14.7605, 14.5214, 16.9389



21.4793, 10.7259, 16.6849



1.6315, 0.8103, 1.4660

Inverse Universe

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



49.8729, 36.8485, 54.9364



59.9013, 40.4482, 64.0564



49.3470, 65.2279, 73.3412



14.7605, 14.5214, 16.9389



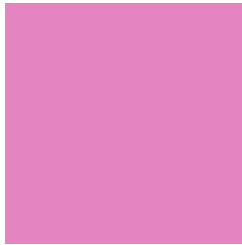
21.4793, 10.7259, 16.6849



1.6315, 0.8103, 1.4660

Previews

White Background



This preview shows how the XYZ color 49.8718, 36.8468, 54.9357 looks on a white background.

Color Contrast Check

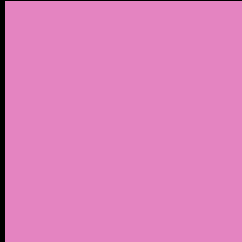
Large Text (above 18pt) WCAG AA × Fail

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 49.8718, 36.8468, 54.9357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

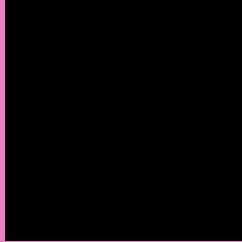
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8718, 36.8468, 54.9357

Background



This preview shows how black text looks on a background with the XYZ color 49.8718, 36.8468, 54.9357.



This preview shows how white text looks on a background with the XYZ color 49.8718, 36.8468,

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

49.8718, 36.8468, 54.9357

Protanopia

37.6356, 37.1797, 68.8111

Deuteranopia

37.7964, 37.0973, 52.7454



Tritanopia

45.3954, 36.6785, 33.9652

Trichromacy



Original Color

49.8718, 36.8468, 54.9357



Protanomaly

40.5673, 36.0544, 63.2136



Deuteranomaly

41.4358, 36.4775, 53.5722



Tritanomaly

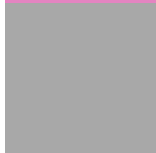
46.8799, 36.6520, 40.6801

Monochromacy



Original Color

49.8718, 36.8468, 54.9357



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

40.8924, 37.5642, 46.6903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8718, 36.8468, 54.9357 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(228, 132, 193)` looks like.

```
.text, #text, p{  
    color:rgb(228, 132, 193)  
}
```

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(228, 132, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 132, 193) }
```

Border

The CSS property to change the border of an element to XYZ 49.8718, 36.8468, 54.9357 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(228, 132, 193) }
```


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

```
.border{ border-color:rgb(228, 132, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 132, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 132, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 132, 193);  
box-shadow:4px 4px 4px 4px rgb(228, 132,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8718, 36.8468, 54.9357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 132, 193) }
```

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

```
.background{ background-color: rgb(228,  
132, 193) }
```

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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