

Converting Colors

XYZ(49.0239, 40.4776, 46.6695)

Have a look what the booklet for
XYZ(49.0239, 40.4776, 46.6695)
contains.

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Color

**XYZ(48.9664, 40.5166,
46.8347)**

Conversions

Conversions Part 1

Format	Color
Hex	DE96B1
RGB	222, 150, 177
RGB Percent	87%, 59%, 69%
CMY	0.1294, 0.4117, 0.3059
CMYK	0.00, 0.32, 0.20, 0.13
HSL	338°, 52%, 73%
HSV	338°, 32%, 87%
XYZ	48.9664, 40.5166, 46.8347
YIQ	174.6060, 34.2450, 23.6610

Conversions

Conversions Part 2

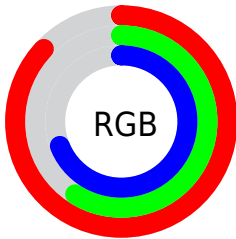
Format	Color
R _Y B	222, 150, 177
Decimal	14587569
CIE Lab	69.84, 30.84, -2.98
CIE LCh	70, 30.988, 354.481
Yxy	40.5166, 0.3592, 0.2972
Android (android.graphics.Color)	4292777649 (0xFFDE96B1)
YUV	174.6060, 1.1802, 41.5645
Hunter-Lab	63.6527, 25.9235, 0.9321

Details

The XYZ color **48.9664, 40.5166, 46.8347** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **48.5510, 62.6678, 61.1699**, and the grayscale version is **40.5267, 42.6373, 46.4320**.

A 20% lighter version of the original color is **77.7793, 70.8058, 86.6583**, and **23.7317, 18.2976, 21.3498** is the 20% darker color. If you saturate the color by 10%, you get **44.4403, 33.5661, 38.8459**, and if you desaturate by 10%, it is **54.3065, 48.8692, 55.7897**.

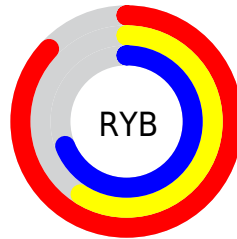
Distribution



Red (87%)

Green (59%)

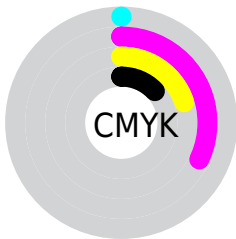
Blue (69%)



Red (87%)

Yellow (59%)

Blue (69%)

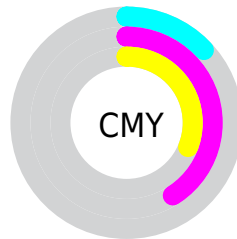


Cyan (0%)

Magenta (32%)

Yellow (20%)

Black (13%)



Cyan (13%)


Magenta (41%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9664, 40.5166, 46.8347 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 48.9664, 40.5166, 46.8347 by changing the saturation by 10% instead.


 48.9664, 40.5166,
46.8347


 48.9664, 40.5166,
46.8347


373.1292,
348.2962, 390.5290

 34.8073, 27.9416,
32.5516


 87.8426, 75.9495,
86.8142

 23.6803, 18.2816,
21.5149


 113.2903, 99.5762,
113.3477

 15.2201, 11.1524,
13.3060


143.2316,
127.6556, 144.8018

 9.0613, 6.1694,
7.5064

178.0318,
160.5720, 181.5949

 4.8386, 2.9484,
3.6975

218.0564,
198.7099, 224.1456

 2.1867, 1.1048,
1.4609

263.6705,

 0.7357, 0.0000,

242.4536, 272.8725

0.1886

315.2397,
292.1876, 328.1941

■ 0.0000, 0.0000,
0.0000

■ 48.9664, 40.5166,
46.8347

■ 48.9664, 40.5166,
46.8347

■ 44.4403, 33.5661,
38.8459

■ 54.3065, 48.8692,
55.7897

■ 40.6826, 27.9345,
31.7860

■ 60.4962, 58.6899,
65.7410

■ 37.6483, 23.5382,
25.6189

■ 67.5731, 70.0473,
76.7207

■ 35.2859, 20.2819,
20.3046

■ 75.5713, 83.0039,
88.7584

■ 33.5368, 18.0558,
15.7996

■ 82.5774, 93.7269,
101.2339

■ 32.3309, 16.7282,
12.0549

■ 83.9344, 94.2697,
108.3798

■ 31.6951, 16.1580,
9.6811

Harmonies

Analogous

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



46.9346, 40.5166, 62.2532



48.9664, 40.5166, 46.8347



48.0044, 40.5166, 33.5995

Triad

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



48.9664, 40.5166, 46.8347



34.6376, 40.5166, 23.3960



33.1574, 40.5166, 70.7336

Complementary

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



48.9664, 40.5166, 46.8347



48.5510, 62.6678, 61.1699

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.



30.3578, 40.5166, 56.6247



48.9664, 40.5166, 46.8347



31.1588, 40.5166, 29.8951

Square

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



48.9664, 40.5166, 46.8347



39.4479, 40.5166, 21.8817



29.6591, 40.5166, 41.5040



37.5868, 40.5166, 77.8474

Rectangle

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



48.9664, 40.5166, 46.8347



45.8343, 40.5166, 27.4080



29.6591, 40.5166, 41.5040



32.0104, 40.5166, 66.5209

Sweetspot

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



48.9676, 40.5185, 46.8355



84.9870, 83.8114, 93.4070



46.4437, 38.6110, 74.1126



17.9096, 17.4895, 19.5518



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.



48.9676, 40.5185, 46.8355



62.6609, 48.7293, 56.4618



47.9259, 42.3240, 34.4998



13.9187, 13.7851, 15.3423



18.8758, 9.6173, 6.0119



1.3508, 0.6836, 0.6402

Inverse Universe

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



48.9676, 40.5185, 46.8355



62.6609, 48.7293, 56.4618



49.7094, 59.6501, 78.0014



13.9187, 13.7851, 15.3423



18.8758, 9.6173, 6.0119



1.3508, 0.6836, 0.6402

Previews

White Background



This preview shows how the XYZ color 48.9664, 40.5166, 46.8347 looks on a white background.

Color Contrast Check

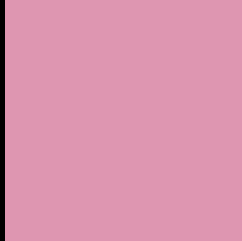
Large Text (above 18pt) WCAG AA × Fail

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 48.9664, 40.5166, 46.8347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

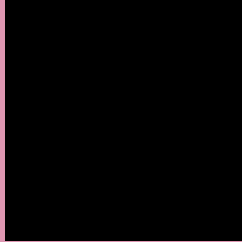
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9664, 40.5166, 46.8347

Background



This preview shows how black text looks on a background with the XYZ color 48.9664, 40.5166, 46.8347.



This preview shows how white text looks on a background with the XYZ color 48.9664, 40.5166,

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

48.9664, 40.5166, 46.8347

Protanopia

39.9222, 40.8586, 53.9265

Deuteranopia

41.5259, 40.7675, 45.7247



Tritanopia

47.7479, 40.5090, 40.4244

Trichromacy



Original Color

48.9664, 40.5166, 46.8347

Protanomaly

42.5932, 40.3885, 51.4498

Deuteranomaly

43.8619, 40.3789, 46.0396

Tritanomaly

48.0468, 40.3699, 42.7960

Monochromacy



Original Color

48.9664, 40.5166, 46.8347

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.2109, 41.6135, 46.8290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9664, 40.5166, 46.8347 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(222, 150, 177)` looks like.

```
.text, #text, p{  
    color:rgb(222, 150, 177)  
}
```

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(222, 150, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 150, 177) }
```

Border

The CSS property to change the border of an element to XYZ 48.9664, 40.5166, 46.8347 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(222, 150, 177) }
```


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

```
.border{ border-color:rgb(222, 150, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 150, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 150, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 150, 177); box-shadow:4px 4px 4px 4px rgb(222, 150, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9664, 40.5166, 46.8347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 150, 177) }
```

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

```
.background{ background-color: rgb(222,  
150, 177) }
```

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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