

# Converting Colors

XYZ(46.9044, 36.4844, 48.8260)

Have a look what the booklet for  
XYZ(46.9044, 36.4844, 48.8260)  
contains.

<b>XYZ(46.9044, 36.4844, 48.8260)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(46.9044, 36.4844,  
48.8260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC89B6
RGB	220, 137, 182
RGB Percent	86%, 54%, 71%
CMY	0.1373, 0.4627, 0.2863
CMYK	0.00, 0.38, 0.17, 0.14
HSL	327°, 54%, 70%
HSV	327°, 38%, 86%
XYZ	46.9044, 36.4844, 48.8260
YIQ	166.9470, 35.0230, 31.5910

# Conversions

## Conversions Part 2

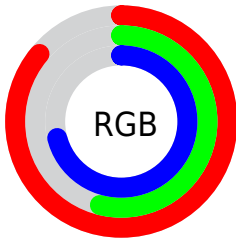
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">220, 137, 182</a>
Decimal	<a href="#">14453174</a>
CIELab	<a href="#">66.89, 37.84, -10.17</a>
CIElCh	<a href="#">67, 39.185, 344.954</a>
Yxy	<a href="#">36.4844, 0.3548, 0.2759</a>
Android (android.graphics.Color)	<a href="#">4292643254 (0xFFDC89B6)</a>
YUV	<a href="#">166.9470, 7.4211, 46.5275</a>
Hunter-Lab	<a href="#">60.4023, 32.9071, -5.6452</a>

# Details

The XYZ color **46.9044, 36.4844, 48.8260** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.6493, 59.6010, 49.7639**, and the grayscale version is **36.6589, 38.5680, 42.0005**.

A 20% lighter version of the original color is **75.5223, 65.1323, 89.4803**, and **22.3152, 15.8685, 22.6557** is the 20% darker color. If you saturate the color by 10%, you get **43.0863, 30.4543, 42.6008**, and if you desaturate by 10%, it is **51.4371, 43.8230, 55.6597**.

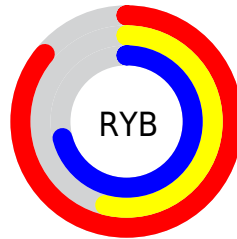
# Distribution



Red (86%)

Green (54%)

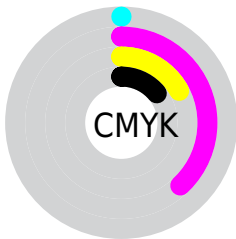
Blue (71%)



Red (86%)

Yellow (54%)

Blue (71%)

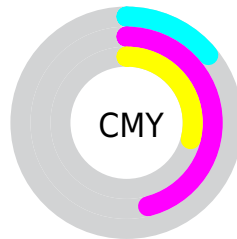


Cyan (0%)

Magenta (38%)

Yellow (17%)

Black (14%)



Cyan (14%)

Magenta (46%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9044, 36.4844, 48.8260 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 46.9044, 36.4844, 48.8260 by changing the saturation by 10% instead.




 46.9044, 36.4844,  
48.8260

 46.9044, 36.4844,  
48.8260

365.0881,  
331.0728, 398.6597


 33.1677, 24.8085,  
34.1168


 84.7905, 69.7791,  
89.8113

 22.4148, 15.9345,  
22.7053


 109.6707, 92.1667,  
116.9245

 14.2803, 9.4778,  
14.1728

 138.9960,  
118.8936, 149.0095

 8.3989, 5.0541,  
8.1008

173.1319,  
150.3444, 186.4847

 4.4052, 2.2791,  
4.0708

212.4437,  
186.9033, 229.7689

 1.9338, 0.7626,  
1.6643

257.2968,

 0.5964, 0.0000,

228.9547, 279.2804

0.3361

308.0564,  
276.8831, 335.4378

■ 0.0000, 0.0000,  
0.0000

■ 46.9044, 36.4844,  
48.8260

■ 46.9044, 36.4844,  
48.8260

■ 43.0863, 30.4543,  
42.6008

■ 51.4371, 43.8230,  
55.6597

■ 39.9390, 25.6489,  
36.9606

■ 56.7185, 52.5371,  
63.1194

■ 37.4187, 21.9828,  
31.8832


■ 62.7841, 62.6949,  
71.2249


■ 35.4746, 19.3571,  
27.3434


■ 69.6663, 74.3590,  
79.9938


■ 34.0475, 17.6559,  
23.3129

■ 77.3955, 87.5879,  
89.4433

 33.0556, 16.7188,  
19.7556

 81.3684, 93.1729,  
98.0455

 32.8616, 16.5542,  
19.0017

 82.9273, 93.7965,  
106.2545

 83.3254, 93.9558,  
108.3513

# Harmonies

## Analogous

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



43.3798, 36.4844, 67.6272



46.9044, 36.4844, 48.8260



46.9102, 36.4844, 31.8755

# Triad

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



46.9044, 36.4844, 48.8260



31.8155, 36.4844, 15.7796



27.2134, 36.4844, 67.5748

# Complementary

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



46.9044, 36.4844, 48.8260



43.6493, 59.6010, 49.7639

# 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.



24.7807, 36.4844, 48.7684



46.9044, 36.4844, 48.8260



27.2243, 36.4844, 20.7975

# Square

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



46.9044, 36.4844, 48.8260



37.7243, 36.4844, 15.7869



24.7844, 36.4844, 31.8322



31.7990, 36.4844, 80.3759



# Rectangle

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



46.9044, 36.4844, 48.8260



44.8948, 36.4844, 23.7908



24.7844, 36.4844, 31.8322



26.1411, 36.4844, 61.5419

# Sweetspot

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



46.9055, 36.4861, 48.8267



84.7460, 82.5911, 95.6032



39.3992, 32.0996, 71.8300



17.8881, 17.2569, 20.1291



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.



46.9055, 36.4861, 48.8267



61.3700, 44.3754, 61.4944



43.2812, 35.0364, 29.7415



13.3498, 13.1690, 15.1033



19.3429, 9.7382, 11.4516



1.2964, 0.6482, 0.9700



# Inverse Universe

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



46.9055, 36.4861, 48.8267



61.3700, 44.3754, 61.4944



48.2863, 61.4558, 74.1820



13.3498, 13.1690, 15.1033



19.3429, 9.7382, 11.4516

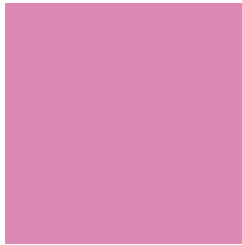


1.2964, 0.6482, 0.9700



# Previews

## White Background



This preview shows how the XYZ color 46.9044, 36.4844, 48.8260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

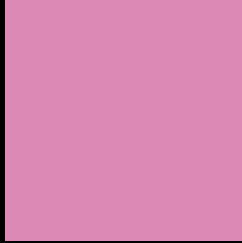
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.9044, 36.4844, 48.8260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

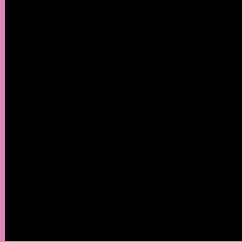
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.9044, 36.4844, 48.8260**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.9044, 36.4844, 48.8260.



This preview shows how white text looks on a background with the XYZ color 46.9044, 36.4844,



# 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

46.9044, 36.4844, 48.8260

### Protanopia

36.6309, 36.8864, 58.6152

### Deuteranopia

37.4473, 36.7813, 47.2453



## Tritanopia

44.0380, 36.3976, 34.8414

# Trichromacy



## Original Color

46.9044, 36.4844, 48.8260



## Protanomaly

39.4961, 36.1719, 54.7694



## Deuteranomaly

40.1896, 36.2067, 47.5182



## Tritanomaly

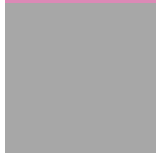
44.9924, 36.3419, 39.7653

# Monochromacy



## Original Color

46.9044, 36.4844, 48.8260



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

39.5846, 37.1946, 44.1227

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9044, 36.4844, 48.8260 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(220, 137, 182)` looks like.

```
.text, #text, p{  
    color:rgb(220, 137, 182)  
}
```

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(220, 137, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 137, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9044, 36.4844, 48.8260 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(220, 137, 182) }
```



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

```
.border{ border-color:rgb(220, 137, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 137, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 137, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 137, 182);  
box-shadow:4px 4px 4px 4px rgb(220, 137,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9044, 36.4844, 48.8260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 137, 182) }
```

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

```
.background{ background-color: rgb(220,  
137, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor