

# Converting Colors

XYZ(46.8615, 41.3405, 50.0690)

Have a look what the booklet for  
XYZ(46.8615, 41.3405, 50.0690)  
contains.

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# Color

**XYZ(46.7865, 41.2825,  
50.3021)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D09EB7
RGB	208, 158, 183
RGB Percent	82%, 62%, 72%
CMY	0.1843, 0.3804, 0.2823
CMYK	0.00, 0.24, 0.12, 0.18
HSL	330°, 35%, 72%
HSV	330°, 24%, 82%
XYZ	46.7865, 41.2825, 50.3021
YIQ	175.8000, 21.7750, 18.3750

# Conversions

## Conversions Part 2

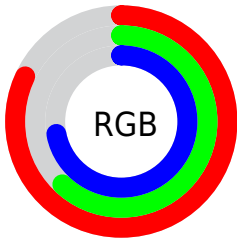
Format	Color
R <sub>Y</sub> B	208, 158, 183
Decimal	13672119
CIE Lab	70.37, 22.49, -5.69
CIE LCh	70, 23.198, 345.800
Yxy	41.2825, 0.3381, 0.2983
Android (android.graphics.Color)	4291862199 (0xFFD09EB7)
YUV	175.8000, 3.5496, 28.2394
Hunter-Lab	64.2515, 17.5397, -1.4418

# Details

The XYZ color **46.7865, 41.2825, 50.3021** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.2053, 55.8008, 53.1904**, and the grayscale version is **41.1378, 43.2802, 47.1321**.

A 20% lighter version of the original color is **80.6142, 75.0805, 91.9045**, and **22.3202, 18.6921, 23.5506** is the 20% darker color. If you saturate the color by 10%, you get **42.4916, 34.3613, 43.7254**, and if you desaturate by 10%, it is **51.7642, 49.4403, 57.5021**.

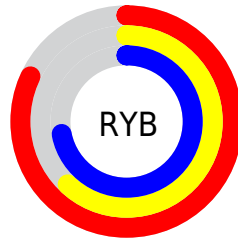
# Distribution



Red (82%)

Green (62%)

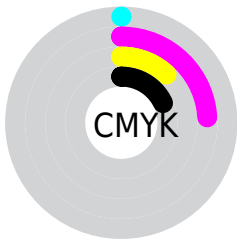
Blue (72%)



Red (82%)

Yellow (62%)

Blue (72%)

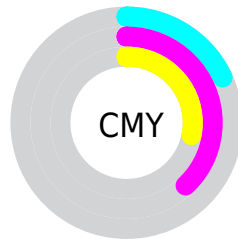


Cyan (0%)

Magenta (24%)

Yellow (12%)

Black (18%)



Cyan (18%)

Magenta (38%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7865, 41.2825, 50.3021 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 46.7865, 41.2825, 50.3021 by changing the saturation by 10% instead.





 46.7865, 41.2825,  
50.3021


 46.7865, 41.2825,  
50.3021


364.6248,  
351.4999, 404.6150

 33.0741, 28.5399,  
35.2806


 84.6155, 77.1126,  
92.0232

 22.3428, 18.7330,  
23.5939


 109.4629,  
100.9688, 119.5600

 14.2270, 11.4775,  
14.8232


138.7527,  
129.2983, 152.1056

 8.3615, 6.3890,  
8.5502

172.8502,  
162.4856, 190.0785

 4.3808, 3.0830,  
4.3562

212.1208,  
200.9150, 233.8974

 1.9198, 1.1752,  
1.8227

256.9299,

 0.5883, 0.0413,

244.9710, 283.9808

0.4429

307.6428,  
295.0378, 340.7471

■ 0.0000, 0.0000,  
0.0000

■ 46.7865, 41.2825,  
50.3021

■ 46.7865, 41.2825,  
50.3021

■ 42.4916, 34.3613,  
43.7254

■ 51.7642, 49.4403,  
57.5021

■ 38.8441, 28.6101,  
37.7503

■ 57.4510, 58.8861,  
65.3409

■ 35.8105, 23.9642,  
32.3574

■ 63.8759, 69.6748,  
73.8366

■ 33.3529, 20.3506,  
27.5249

■ 71.0654, 81.8569,  
83.0059

■ 31.4285, 17.6874,  
23.2291

■ 76.7688, 90.9285,  
92.1060

■ 29.9886, 15.8797,  
19.4440

■ 78.3161, 91.5474,  
100.2542

■ 28.9742, 14.8129,  
16.1397

■ 79.8226, 92.1500,  
108.1874

■ 28.5109, 14.4093,  
14.3733

# Harmonies

## Analogous

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



44.7344, 41.2825, 61.2424



46.7865, 41.2825, 50.3021



46.7269, 41.2825, 39.4694

# Triad

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



46.7865, 41.2825, 50.3021



37.2744, 41.2825, 27.6155



34.3432, 41.2825, 61.7533

# Complementary

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



46.7865, 41.2825, 50.3021



45.2053, 55.8008, 53.1904

# 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.



32.5949, 41.2825, 50.9150



46.7865, 41.2825, 50.3021



34.2109, 41.2825, 31.8378

# Square

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



46.7865, 41.2825, 50.3021



41.0647, 41.2825, 27.5060



32.5481, 41.2825, 39.9910



37.4658, 41.2825, 68.5438



# Rectangle

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



46.7865, 41.2825, 50.3021



45.4924, 41.2825, 33.7478



32.5481, 41.2825, 39.9910



33.5844, 41.2825, 58.3908

# Sweetspot

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



46.7877, 41.2844, 50.3030



88.2136, 88.5737, 99.6957



43.1421, 39.0772, 64.9438



18.7610, 18.7582, 21.1743



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.



46.7877, 41.2844, 50.3030



70.4318, 59.3912, 74.0964



44.4123, 40.3342, 37.7945



12.0517, 11.9054, 13.5481



17.8183, 9.0001, 9.2151



1.0363, 0.5193, 0.7262



# Inverse Universe

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



46.7877, 41.2844, 50.3030



70.4318, 59.3912, 74.0964



48.0429, 56.9358, 68.1326



12.0517, 11.9054, 13.5481



17.8183, 9.0001, 9.2151



1.0363, 0.5193, 0.7262



# Previews

## White Background



This preview shows how the XYZ color 46.7865, 41.2825, 50.3021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

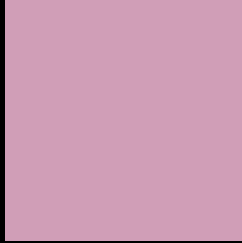
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.7865, 41.2825, 50.3021 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 46.7865, 41.2825, 50.3021**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.7865, 41.2825, 50.3021.



This preview shows how white text looks on a background with the XYZ color 46.7865, 41.2825,



# 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

46.7865, 41.2825, 50.3021

### Protanopia

40.5444, 41.4335, 55.1507

### Deuteranopia

42.1668, 41.2879, 49.4630



## Tritanopia

45.7493, 41.3856, 44.6067

# Trichromacy



## Original Color

46.7865, 41.2825, 50.3021

## Protanomaly

42.4805, 41.0936, 53.2699

## Deuteranomaly

43.7113, 41.2658, 49.9172

## Tritanomaly

45.9667, 41.1963, 46.6033

# Monochromacy



## Original Color

46.7865, 41.2825, 50.3021

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

43.0637, 42.3220, 48.5471

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.7865, 41.2825, 50.3021 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(208, 158, 183)` looks like.

```
.text, #text, p{  
    color:rgb(208, 158, 183)  
}
```

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(208, 158, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 158, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 46.7865, 41.2825, 50.3021 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(208, 158, 183) }
```



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

```
.border{ border-color:rgb(208, 158, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 158, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 158, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 158, 183);  
box-shadow:4px 4px 4px 4px rgb(208, 158,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.7865, 41.2825, 50.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 158, 183) }
```

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

```
.background{ background-color: rgb(208,  
158, 183) }
```

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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