

# Converting Colors

XYZ(46.8354, 43.3484, 41.4965)

Have a look what the booklet for  
XYZ(46.8354, 43.3484, 41.4965)  
contains.

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# Color

**XYZ(46.8250, 43.3285,  
41.4926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2A5A5
RGB	210, 165, 165
RGB Percent	82%, 65%, 65%
CMY	0.1765, 0.3529, 0.3529
CMYK	0.00, 0.21, 0.21, 0.18
HSL	0°, 33%, 74%
HSV	0°, 21%, 82%
XYZ	46.8250, 43.3285, 41.4926
YIQ	178.4550, 26.8200, 9.5400

# Conversions

## Conversions Part 2

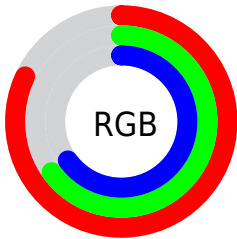
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 165, 165
Decimal	13804965
CIE Lab	71.78, 16.55, 6.34
CIE LCh	72, 17.719, 20.968
Yxy	43.3285, 0.3557, 0.3291
Android (android.graphics.Color)	4291995045 (0xFFD2A5A5)
YUV	178.4550, -6.6333, 27.6650
Hunter-Lab	65.8244, 11.7855, 8.7034

# Details

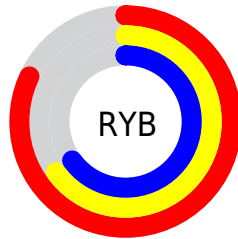
The XYZ color **46.8250, 43.3285, 41.4926** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.1960, 58.7441, 69.6662**, and the grayscale version is **42.5831, 44.8007, 48.7880**.

A 20% lighter version of the original color is **79.7515, 77.6137, 78.4877**, and **22.4033, 19.9711, 18.2968** is the 20% darker color. If you saturate the color by 10%, you get **41.5869, 35.6640, 31.0780**, and if you desaturate by 10%, it is **53.0012, 52.3662, 53.7693**.

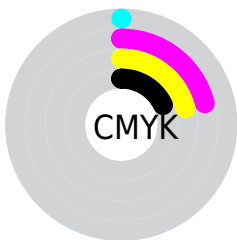
# Distribution



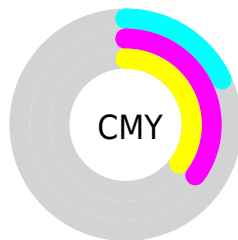
- Red (82%)
- Green (65%)
- Blue (65%)



- Red (82%)
- Yellow (65%)
- Blue (65%)



- Cyan (0%)
- Magenta (21%)
- Yellow (21%)
- Black (18%)




- Cyan (18%)
- Magenta (35%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8250, 43.3285, 41.4926 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 46.8250, 43.3285, 41.4926 by changing the saturation by 10% instead.





 46.8250, 43.3285,  
41.4926


 46.8250, 43.3285,  
41.4926

364.7762,  
359.9610, 368.1127

 33.1047, 30.1429,  
28.3816


 84.6727, 80.2063,  
78.6929

 22.3663, 19.9471,  
18.3720


 109.5308,  
104.6674, 103.6193

 14.2444, 12.3566,  
11.0452

138.8322,  
133.6558, 133.3212

 8.3737, 6.9870,  
5.9827

172.9422,  
167.5559, 168.2172

 4.3888, 3.4540,  
2.7659

212.2263,  
206.7520, 208.7258

 1.9243, 1.3731,  
0.9764

257.0497,

 0.5909, 0.1968,

251.6287, 255.2655

0.0000

307.7779,  
302.5702, 308.2550

0.0000, 0.0000,  
0.0000

46.8250, 43.3285,  
41.4926

46.8250, 43.3285,  
41.4926

41.5869, 35.6640,  
31.0780

53.0012, 52.3662,  
53.7693

37.2377, 29.2999,  
22.4320

60.1543, 62.8332,  
67.9899

33.7292, 24.1658,  
15.4574

68.3256, 74.7899,  
84.2345

31.0071, 20.1825,  
10.0461

77.5526, 88.2915,  
102.5782

29.0107, 17.2612,  
6.0778

80.3885, 92.4417,  
108.2139

■ 27.6707, 15.3003,  
3.4144

■ 26.9043, 14.1786,  
1.8910

■ 26.5787, 13.7021,  
1.2439

# Harmonies

## Analogous

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



47.1651, 43.3285, 49.8268



46.8250, 43.3285, 41.4926



44.9347, 43.3285, 35.4406

# Triad

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



46.8250, 43.3285, 41.4926



36.8494, 43.3285, 37.4924



40.2808, 43.3285, 65.5078

# Complementary

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



46.8250, 43.3285, 41.4926



50.1960, 58.7441, 69.6662

# 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.



37.6451, 43.3285, 61.2555



46.8250, 43.3285, 41.4926



35.7284, 43.3285, 44.6235

# Square

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



46.8250, 43.3285, 41.4926



39.1465, 43.3285, 33.3340



36.0124, 43.3285, 53.3590



43.2878, 43.3285, 64.4040



# Rectangle

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



46.8250, 43.3285, 41.4926



43.0982, 43.3285, 33.1824



36.0124, 43.3285, 53.3590



39.3243, 43.3285, 64.6400

# Sweetspot

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



46.8262, 43.3305, 41.4935



87.9959, 89.6779, 94.8763



51.6668, 45.2656, 66.9871



18.6778, 18.9651, 19.9954



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.



46.8262, 43.3305, 41.4935



68.5271, 61.1898, 56.1726



51.2469, 52.1719, 42.9671



11.8089, 11.8084, 12.2689



16.2126, 8.3581, 0.7588



0.9065, 0.4674, 0.0424



# Inverse Universe

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



50.1960, 58.7441, 69.6662



74.7201, 89.5168, 107.9480



45.0270, 48.4062, 67.9432



12.1583, 13.4069, 15.1906



21.1512, 30.9491, 42.0515

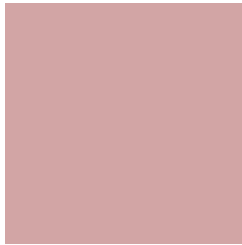


1.1827, 1.7305, 2.3513



# Previews

## White Background



This preview shows how the XYZ color 46.8250, 43.3285, 41.4926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

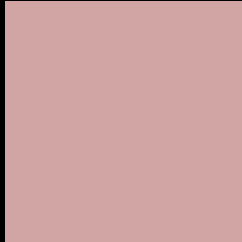
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.8250, 43.3285, 41.4926 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 46.8250, 43.3285, 41.4926**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.8250, 43.3285, 41.4926.



This preview shows how white text looks on a background with the XYZ color 46.8250, 43.3285,

41.4926.

# 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

46.8250, 43.3285, 41.4926

### Protanopia

41.7367, 43.4240, 44.7100

### Deuteranopia

44.3643, 43.4356, 41.1676



## Tritanopia

47.7976, 43.1779, 46.8892

# Trichromacy



## Original Color

46.8250, 43.3285, 41.4926

## Protanomaly

43.4626, 43.1969, 43.5832

## Deuteranomaly

45.0606, 43.2422, 41.0936

## Tritanomaly

47.5858, 43.3784, 44.8945

# Monochromacy



## Original Color

46.8250, 43.3285, 41.4926

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

43.7216, 43.8514, 45.6950

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.8250, 43.3285, 41.4926 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(210, 165, 165)` looks like.

```
.text, #text, p{  
    color:rgb(210, 165, 165)  
}
```

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(210, 165, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 165, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 46.8250, 43.3285, 41.4926 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(210, 165, 165) }
```



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

```
.border{ border-color:rgb(210, 165, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 165, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 165, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 165, 165);  
box-shadow:4px 4px 4px 4px rgb(210, 165,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.8250, 43.3285, 41.4926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 165, 165) }
```

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

```
.background{ background-color: rgb(210,  
165, 165) }
```

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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