

# Converting Colors

XYZ(47.4960, 41.9372, 40.9550)

Have a look what the booklet for  
XYZ(47.4960, 41.9372, 40.9550)  
contains.

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# Color

**XYZ(47.6337, 41.9220,  
41.1785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D99EA5
RGB	217, 158, 165
RGB Percent	85%, 62%, 65%
CMY	0.1490, 0.3804, 0.3529
CMYK	0.00, 0.27, 0.24, 0.15
HSL	353°, 44%, 74%
HSV	353°, 27%, 85%
XYZ	47.6337, 41.9220, 41.1785
YIQ	176.4390, 32.9170, 14.6850

# Conversions

## Conversions Part 2

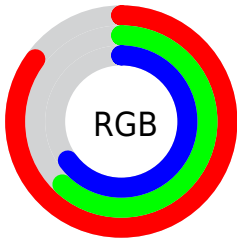
Format	Color
R <sub>Y</sub> B	217, 158, 165
Decimal	14261925
CIE Lab	70.82, 22.95, 5.05
CIE LCh	71, 23.495, 12.417
Yxy	41.9220, 0.3644, 0.3207
Android (android.graphics.Color)	4292452005 (0xFFD99EA5)
YUV	176.4390, -5.6394, 35.5720
Hunter-Lab	64.7472, 18.0126, 7.6153

# Details

The XYZ color **47.6337, 41.9220, 41.1785** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.5480, 61.5491, 70.1918**, and the grayscale version is **41.5135, 43.6754, 47.5625**.

A 20% lighter version of the original color is **77.9525, 74.0158, 77.8881**, and **22.8326, 19.0774, 18.1017** is the 20% darker color. If you saturate the color by 10%, you get **42.6412, 34.5176, 31.5580**, and if you desaturate by 10%, it is **53.5424, 50.7415, 52.3898**.

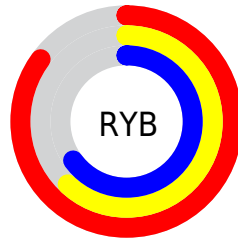
# Distribution



Red (85%)

Green (62%)

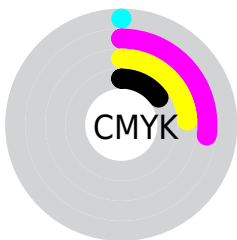
Blue (65%)



Red (85%)

Yellow (62%)

Blue (65%)

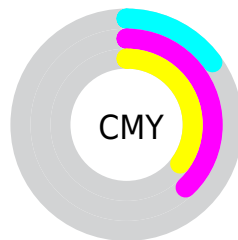


Cyan (0%)

Magenta (27%)

Yellow (24%)

Black (15%)



Cyan (15%)

Magenta (38%)


Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6337, 41.9220, 41.1785 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 47.6337, 41.9220, 41.1785 by changing the saturation by 10% instead.





 47.6337, 41.9220,  
41.1785


 47.6337, 41.9220,  
41.1785


367.9452,  
354.1595, 366.7648

 33.7469, 29.0402,  
28.1378


 85.8718, 78.0816,  
78.2114

 22.8612, 19.1112,  
18.1896

 110.9538,  
102.1281, 103.0407

 14.6112, 11.7507,  
10.9154


140.4983,  
130.6651, 132.6367

 8.6315, 6.5742,  
5.8965

174.8706,  
164.0768, 167.4178

 4.5568, 3.1972,  
2.7145

214.4361,  
202.7477, 207.8026

 2.0217, 1.2356,  
0.9507

259.5601,

 0.6461, 0.0905,

247.0622, 254.2097

0.0000

310.6080,  
297.4047, 307.0576

0.0000, 0.0000,  
0.0000

47.6337, 41.9220,  
41.1785

47.6337, 41.9220,  
41.1785

42.6412, 34.5176,  
31.5580

53.5424, 50.7415,  
52.3898

38.5156, 28.4491,  
23.4538

60.4066, 61.0383,  
65.2570

35.2081, 23.6385,  
16.7888

68.2673, 72.8779,  
79.8444

32.6638, 19.9972,  
11.4785

77.1623, 86.3203,  
96.2122

30.8206, 17.4252,  
7.4291

82.4255, 93.4918,  
108.3092

■ 29.6070, 15.8055,  
4.5352

■ 28.9306, 14.9839,  
2.6716

■ 28.7990, 14.8252,  
2.3054

# Harmonies

## Analogous

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



47.4368, 41.9220, 52.4518



47.6337, 41.9220, 41.1785



45.6470, 41.9220, 32.6287

# Triad

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



47.6337, 41.9220, 41.1785



34.9947, 41.9220, 31.5456



37.6211, 41.9220, 69.3543

# Complementary

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



47.6337, 41.9220, 41.1785



50.5480, 61.5491, 70.1918

# 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.



34.5578, 41.9220, 61.7331



47.6337, 41.9220, 41.1785



33.1109, 41.9220, 39.4559

# Square

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



47.6337, 41.9220, 41.1785



38.2535, 41.9220, 27.7081



32.9563, 41.9220, 50.4253



41.4812, 41.9220, 70.0192



# Rectangle

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



47.6337, 41.9220, 41.1785



43.4227, 41.9220, 29.1225



32.9563, 41.9220, 50.4253



36.4705, 41.9220, 67.4701

# Sweetspot

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



47.6348, 41.9240, 41.1794



86.1228, 86.5634, 92.3047



51.0848, 43.0402, 71.2612



18.0970, 18.0221, 19.1278



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.



47.6348, 41.9240, 41.1794



64.0975, 53.6584, 50.6029



51.0355, 49.7167, 39.2565



13.1185, 13.0765, 13.8855



17.4535, 8.9824, 1.5023



1.1520, 0.5905, 0.2096



# Inverse Universe

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



47.6348, 41.9240, 41.1794



64.0975, 53.6584, 50.6029



46.2239, 51.4752, 73.1456



13.1185, 13.0765, 13.8855



17.4535, 8.9824, 1.5023

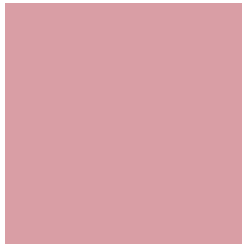


1.1520, 0.5905, 0.2096



# Previews

## White Background



This preview shows how the XYZ color 47.6337, 41.9220, 41.1785 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

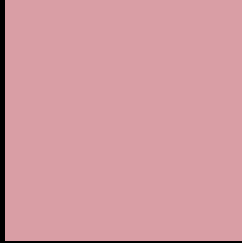
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.6337, 41.9220, 41.1785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

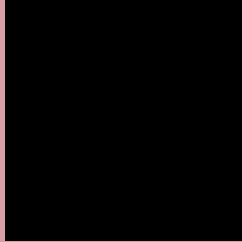
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.6337, 41.9220, 41.1785**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6337, 41.9220, 41.1785.



This preview shows how white text looks on a background with the XYZ color 47.6337, 41.9220,



# 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

47.6337, 41.9220, 41.1785

### Protanopia

40.6179, 42.2514, 45.5497

### Deuteranopia

42.8616, 42.1189, 40.5210



## Tritanopia

47.8337, 41.7302, 43.0697

# Trichromacy



## Original Color

47.6337, 41.9220, 41.1785

## Protanomaly

42.9966, 42.1140, 43.8929

## Deuteranomaly

44.3334, 41.7878, 40.8512

## Tritanomaly

47.7401, 41.6928, 42.5771

# Monochromacy



## Original Color

47.6337, 41.9220, 41.1785

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

43.1202, 42.4309, 44.9470

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6337, 41.9220, 41.1785 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(217, 158, 165) looks like.

```
.text, #text, p{  
    color:rgb(217, 158, 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(217, 158, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 158, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6337, 41.9220, 41.1785 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(217, 158, 165) }
```



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

```
.border{ border-color:rgb(217, 158, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 158, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 158, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 158, 165);  
box-shadow:4px 4px 4px 4px rgb(217, 158,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6337, 41.9220, 41.1785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 158, 165) }
```

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

```
.background{ background-color: rgb(217,  
158, 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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