

# Converting Colors

XYZ(46.9864, 42.0778, 42.2046)

Have a look what the booklet for  
XYZ(46.9864, 42.0778, 42.2046)  
contains.

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# Color

**XYZ(46.9864, 42.0778,  
42.2046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5A0A7
RGB	213, 160, 167
RGB Percent	84%, 63%, 65%
CMY	0.1647, 0.3725, 0.3451
CMYK	0.00, 0.25, 0.22, 0.16
HSL	352°, 39%, 73%
HSV	352°, 25%, 84%
XYZ	46.9864, 42.0778, 42.2046
YIQ	176.6450, 29.3410, 13.4130

# Conversions

## Conversions Part 2

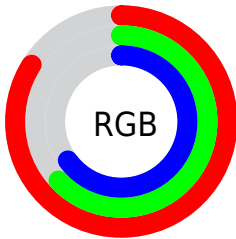
Format	Color
R <sub>Y</sub> B	213, 160, 167
Decimal	14000295
CIE Lab	70.92, 20.67, 4.05
CIE LCh	71, 21.067, 11.072
Yxy	42.0778, 0.3579, 0.3205
Android (android.graphics.Color)	4292190375 (0xFFD5A0A7)
YUV	176.6450, -4.7550, 31.8833
Hunter-Lab	64.8674, 15.7777, 6.8314

# Details

The XYZ color **46.9864, 42.0778, 42.2046** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.4337, 59.5192, 67.2784**, and the grayscale version is **41.6182, 43.7855, 47.6825**.

A 20% lighter version of the original color is **78.7253, 75.1348, 79.4604**, and **22.3617, 19.1310, 18.7337** is the 20% darker color. If you saturate the color by 10%, you get **42.0167, 34.6806, 32.7098**, and if you desaturate by 10%, it is **52.8354, 50.8418, 53.1990**.

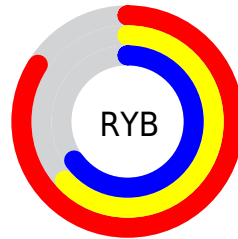
# Distribution



Red (84%)

Green (63%)

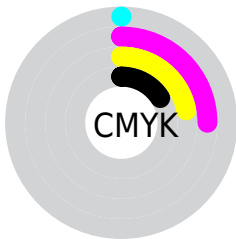
Blue (65%)



Red (84%)

Yellow (63%)

Blue (65%)

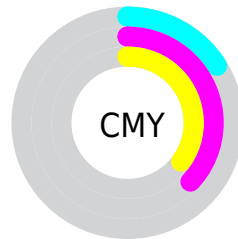


Cyan (0%)

Magenta (25%)

Yellow (22%)

Black (16%)



Cyan (16%)

Magenta (37%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9864, 42.0778, 42.2046 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 46.9864, 42.0778, 42.2046 by changing the saturation by 10% instead.





 46.9864, 42.0778,  
42.2046


 46.9864, 42.0778,  
42.2046


365.4101,  
354.8053, 371.1550

 33.2328, 29.1622,  
28.9348


 84.9122, 78.3174,  
79.7826

 22.4649, 19.2036,  
18.7863


 109.8151,  
102.4101, 104.9279

 14.3174, 11.8175,  
11.3407


139.1651,  
130.9974, 134.8687

 8.4250, 6.6195,  
6.1795

173.3277,  
164.4636, 170.0236

 4.4221, 3.2253,  
2.8840

212.6681,  
203.1931, 210.8112

 1.9436, 1.2505,  
1.0357

257.5517,

 0.6020, 0.1024,

247.5703, 257.6499

0.0000

308.3439,  
297.9796, 310.9583

0.0000, 0.0000,  
0.0000

46.9864, 42.0778,  
42.2046

46.9864, 42.0778,  
42.2046

42.0167, 34.6806,  
32.7098

52.8354, 50.8418,  
53.1990

37.8802, 28.5758,  
24.6469

59.5999, 61.0305,  
65.7515

34.5320, 23.6907,  
17.9470

67.3183, 72.7057,  
79.9207

31.9215, 19.9431,  
12.5341

76.0256, 85.9236,  
95.7612

29.9919, 17.2407,  
8.3249

81.2507, 92.8862,  
108.2542

■ 28.6783, 15.4765,  
5.2263

■ 27.9024, 14.5206,  
3.1308

■ 27.6517, 14.2306,  
2.3954

# Harmonies

## Analogous

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



46.7205, 42.0778, 52.3731



46.9864, 42.0778, 42.2046



45.2982, 42.0778, 34.2581

# Triad

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



46.9864, 42.0778, 42.2046



35.7231, 42.0778, 32.7390



37.8450, 42.0778, 66.6293

# Complementary

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



46.9864, 42.0778, 42.2046



49.4337, 59.5192, 67.2784

# 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.



35.1203, 42.0778, 59.7177



46.9864, 42.0778, 42.2046



33.9457, 42.0778, 39.8296

# Square

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



46.9864, 42.0778, 42.2046



38.7121, 42.0778, 29.3499



33.7316, 42.0778, 49.6268



41.3032, 42.0778, 67.5126



# Rectangle

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



46.9864, 42.0778, 42.2046



43.3465, 42.0778, 30.9007



33.7316, 42.0778, 49.6268



36.8184, 42.0778, 64.8912

# Sweetspot

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



46.9876, 42.0797, 42.2055



87.2226, 88.1772, 94.4769



50.0174, 43.0600, 68.6262



18.5319, 18.6665, 19.9679



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.



46.9876, 42.0797, 42.2055



66.4018, 56.9568, 55.4100



49.9941, 49.1000, 40.1025



12.4893, 12.4472, 13.2511



16.9121, 8.7012, 1.5755



1.0424, 0.5337, 0.2124



# Inverse Universe

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



46.9876, 42.0797, 42.2055



66.4018, 56.9568, 55.4100



45.7045, 50.6702, 70.3224



12.4893, 12.4472, 13.2511



16.9121, 8.7012, 1.5755



1.0424, 0.5337, 0.2124



# Previews

## White Background



This preview shows how the XYZ color 46.9864, 42.0778, 42.2046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

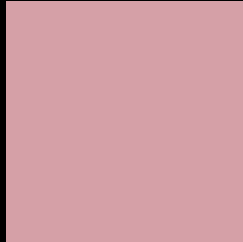
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.9864, 42.0778, 42.2046 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

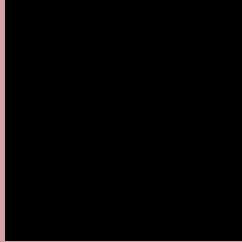
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.9864, 42.0778, 42.2046**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.9864, 42.0778, 42.2046.



This preview shows how white text looks on a background with the XYZ color 46.9864, 42.0778,



# 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

46.9864, 42.0778, 42.2046

### Protanopia

40.7150, 42.2902, 46.0613

### Deuteranopia

43.1337, 42.2278, 41.9538



## Tritanopia

47.5761, 42.0710, 44.6427

# Trichromacy



## Original Color

46.9864, 42.0778, 42.2046

## Protanomaly

42.5885, 41.8927, 44.3695

## Deuteranomaly

44.4255, 42.0809, 41.8574

## Tritanomaly

47.3854, 41.9947, 43.6385

# Monochromacy



## Original Color

46.9864, 42.0778, 42.2046

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

43.3409, 43.0901, 45.5681

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9864, 42.0778, 42.2046 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(213, 160, 167)` looks like.

```
.text, #text, p{  
    color:rgb(213, 160, 167)  
}
```

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(213, 160, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 160, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9864, 42.0778, 42.2046 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(213, 160, 167) }
```



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

```
.border{ border-color:rgb(213, 160, 167) }
```

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

Here you see how a box with a 4 pixel rgb(213, 160, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 160, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 160, 167);  
box-shadow:4px 4px 4px 4px rgb(213, 160,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9864, 42.0778, 42.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 160, 167) }
```

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

```
.background{ background-color: rgb(213,  
160, 167) }
```

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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