

# Converting Colors

XYZ(47.0257, 42.4232, 51.0574)

Have a look what the booklet for  
XYZ(47.0257, 42.4232, 51.0574)  
contains.

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# Color

**XYZ(47.0257, 42.4232,  
51.0574)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CEA2B8
RGB	206, 162, 184
RGB Percent	81%, 64%, 72%
CMY	0.1922, 0.3647, 0.2784
CMYK	0.00, 0.21, 0.11, 0.19
HSL	330°, 31%, 72%
HSV	330°, 21%, 81%
XYZ	47.0257, 42.4232, 51.0574
YIQ	177.6640, 19.1620, 16.1700

# Conversions

## Conversions Part 2

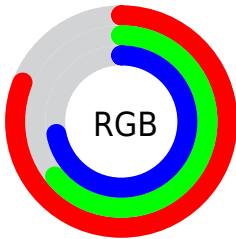
Format	Color
R <sub>Y</sub> B	206, 162, 184
Decimal	13542072
CIE Lab	71.16, 19.76, -5.10
CIE LCh	71, 20.411, 345.526
Yxy	42.4232, 0.3347, 0.3019
Android (android.graphics.Color)	4291732152 (0xFFCEA2B8)
YUV	177.6640, 3.1236, 24.8507
Hunter-Lab	65.1331, 14.8930, -0.8839

# Details

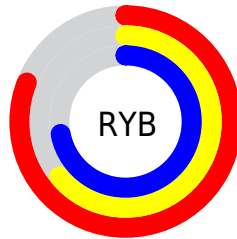
The XYZ color **47.0257, 42.4232, 51.0574** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.6251, 55.2859, 53.6166**, and the grayscale version is **42.1174, 44.3108, 48.2545**.

A 20% lighter version of the original color is **81.7810, 77.1770, 93.0244**, and **22.4352, 19.3699, 24.0290** is the 20% darker color. If you saturate the color by 10%, you get **42.6493, 35.3356, 44.4639**, and if you desaturate by 10%, it is **52.0776, 50.7349, 58.2650**.

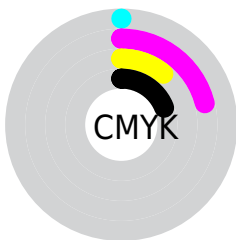
# Distribution



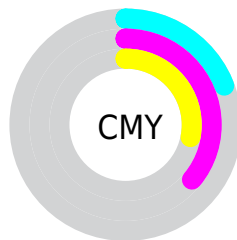
- Red (81%)
- Green (64%)
- Blue (72%)



- Red (81%)
- Yellow (64%)
- Blue (72%)



- Cyan (0%)
- Magenta (21%)
- Yellow (11%)
- Black (19%)




- Cyan (19%)
- Magenta (36%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0257, 42.4232, 51.0574 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 47.0257, 42.4232, 51.0574 by changing the saturation by 10% instead.





 47.0257, 42.4232,  
51.0574

 47.0257, 42.4232,  
51.0574


365.5643,  
356.2343, 407.6397

 33.2640, 29.4328,  
35.8772

 84.9705, 78.8397,  
93.1520

 22.4890, 19.4085,  
24.0505


 109.8843,  
103.0346, 120.9035

 14.3352, 11.9658,  
15.1585

139.2462,  
131.7332, 153.6825

 8.4375, 6.7204,  
8.7829

173.4215,  
165.3198, 191.9077

 4.4303, 3.2879,  
4.5049

212.7756,  
204.1788, 235.9974

 1.9483, 1.2838,  
1.9062

257.6739,

 0.6047, 0.1286,

248.6946, 286.3703

0.4967

308.4817,  
299.2516, 343.4449

■ 0.0000, 0.0000,  
0.0000

■ 47.0257, 42.4232,  
51.0574

■ 47.0257, 42.4232,  
51.0574

■ 42.6493, 35.3356,  
44.4639

■ 52.0776, 50.7349,  
58.2650

■ 38.9142, 29.4080,  
38.4635

■ 57.8299, 60.3194,  
66.1015

■ 35.7886, 24.5788,  
33.0375

■ 64.3106, 71.2300,  
74.5845

■ 33.2363, 20.7786,  
28.1651

■ 71.5452, 83.5150,  
83.7299

■ 31.2170, 17.9299,  
23.8239

■ 76.2825, 90.6694,  
92.4613

■ 29.6850, 15.9442,  
19.9889

■ 77.8187, 91.2839,  
100.5513

■ 28.5858, 14.7158,  
16.6323

■ 79.2639, 91.8620,  
108.1612

■ 27.9016, 14.1011,  
14.0810

# Harmonies

## Analogous

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



45.1955, 42.4232, 60.6719



47.0257, 42.4232, 51.0574



46.9911, 42.4232, 41.3348

# Triad

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



47.0257, 42.4232, 51.0574



38.5884, 42.4232, 30.3270



35.8909, 42.4232, 60.9652

# Complementary

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



47.0257, 42.4232, 51.0574



45.6251, 55.2859, 53.6166

# 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.



34.3157, 42.4232, 51.4148



47.0257, 42.4232, 51.0574



35.8121, 42.4232, 34.2208

# Square

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



47.0257, 42.4232, 51.0574



41.9870, 42.4232, 30.2596



34.2877, 42.4232, 41.6453



38.7016, 42.4232, 66.9168



# Rectangle

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



47.0257, 42.4232, 51.0574



45.9104, 42.4232, 36.0958



34.2877, 42.4232, 41.6453



35.2065, 42.4232, 58.0136

# Sweetspot

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



47.0269, 42.4251, 51.0583



89.1543, 90.1407, 100.9786



43.8298, 40.4894, 63.8983



18.9509, 19.0742, 21.4340



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.



47.0269, 42.4251, 51.0583



72.5375, 62.7920, 77.2969



44.8971, 41.5732, 39.8428



11.4423, 11.3057, 12.8639



17.2298, 8.7025, 8.9286



0.9272, 0.4643, 0.6624



# Inverse Universe

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



47.0269, 42.4251, 51.0583



72.5375, 62.7920, 77.2969



48.1135, 56.2813, 66.7207



11.4423, 11.3057, 12.8639



17.2298, 8.7025, 8.9286



0.9272, 0.4643, 0.6624



# Previews

## White Background



This preview shows how the XYZ color 47.0257, 42.4232, 51.0574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

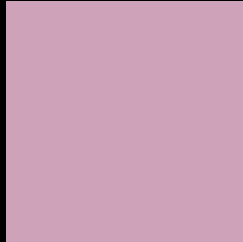
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.0257, 42.4232, 51.0574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

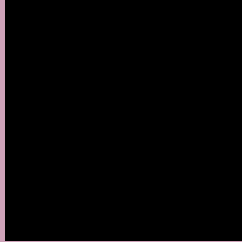
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.0257, 42.4232, 51.0574**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.0257, 42.4232, 51.0574.



This preview shows how white text looks on a background with the XYZ color 47.0257, 42.4232,



# 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

47.0257, 42.4232, 51.0574

### Protanopia

41.5811, 42.5330, 55.3083

### Deuteranopia

43.4742, 42.4862, 50.7091



## Tritanopia

46.1105, 42.3081, 46.8103

# Trichromacy



## Original Color

47.0257, 42.4232, 51.0574

## Protanomaly

43.2727, 42.3211, 53.4650

## Deuteranomaly

44.6891, 42.2934, 50.6078

## Tritanomaly

46.4107, 42.4282, 48.3912

# Monochromacy



## Original Color

47.0257, 42.4232, 51.0574

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

43.7298, 43.4917, 49.2699

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.0257, 42.4232, 51.0574 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(206, 162, 184)` looks like.

```
.text, #text, p{  
    color:rgb(206, 162, 184)  
}
```

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(206, 162, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 162, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 47.0257, 42.4232, 51.0574 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(206, 162, 184) }
```



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

```
.border{ border-color:rgb(206, 162, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 162, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 162, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 162, 184);  
box-shadow:4px 4px 4px 4px rgb(206, 162,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.0257, 42.4232, 51.0574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 162, 184) }
```

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

```
.background{ background-color: rgb(206,  
162, 184) }
```

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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