

# Converting Colors

XYZ(42.7622, 41.6439, 46.1547)

Have a look what the booklet for  
XYZ(42.7622, 41.6439, 46.1547)  
contains.

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# Color

**XYZ(42.7918, 41.6797,  
46.3471)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BEA7AF
RGB	190, 167, 175
RGB Percent	75%, 65%, 69%
CMY	0.2549, 0.3451, 0.3137
CMYK	0.00, 0.12, 0.08, 0.25
HSL	339°, 15%, 70%
HSV	339°, 12%, 75%
XYZ	42.7918, 41.6797, 46.3471
YIQ	174.7890, 11.1400, 7.3640

# Conversions

## Conversions Part 2

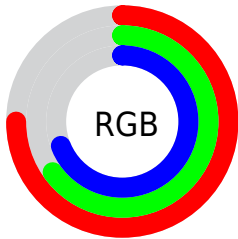
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 167, 175
Decimal	12494767
CIELab	70.65, 9.73, -1.05
CIELCh	71, 9.784, 353.830
Yxy	41.6797, 0.3271, 0.3186
Android (android.graphics.Color)	4290684847 (0xFFBEA7AF)
YUV	174.7890, 0.1040, 13.3400
Hunter-Lab	64.5598, 5.3344, 2.6279

# Details

The XYZ color **42.7918, 41.6797, 46.3471** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.7949, 48.4209, 51.3489**, and the grayscale version is **40.6349, 42.7511, 46.5559**.

A 20% lighter version of the original color is **78.4102, 77.5486, 85.6986**, and **20.0224, 19.0099, 21.3529** is the 20% darker color. If you saturate the color by 10%, you get **38.4019, 34.7588, 39.1517**, and if you desaturate by 10%, it is **47.8073, 49.6718, 54.3032**.

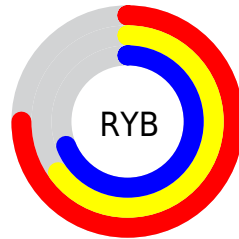
# Distribution



Red (75%)

Green (65%)

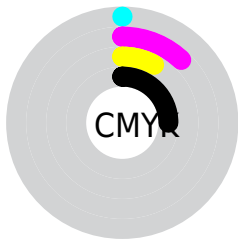
Blue (69%)



Red (75%)

Yellow (65%)

Blue (69%)

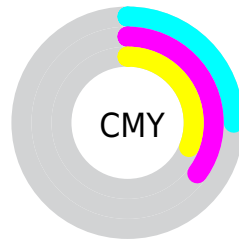


Cyan (0%)

Magenta (12%)

Yellow (8%)

Black (25%)



Cyan (25%)

Magenta (35%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7918, 41.6797, 46.3471 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 42.7918, 41.6797, 46.3471 by changing the saturation by 10% instead.





 42.7918, 41.6797,  
46.3471


 42.7918, 41.6797,  
46.3471


348.6909,  
353.1534, 388.5204

 29.9156, 28.8506,  
32.1692


 78.6543, 77.7146,  
86.0780

 19.9223, 18.9678,  
21.2249


 102.3712,  
101.6892, 112.4680

 12.4465, 11.6470,  
13.0956

130.4325,  
130.1478, 143.7658

 7.1229, 6.5038,  
7.3629

163.2034,  
163.4746, 180.3899

 3.5861, 3.1538,  
3.6082

201.0494,  
202.0543, 222.7589

 1.4707, 1.2125,  
1.4130

244.3357,

 0.3058, 0.0719,

246.2710, 271.2913

0.1518

293.4278,  
296.5093, 326.4056

■ 0.0000, 0.0000,  
0.0000

■ 42.7918, 41.6797,  
46.3471

■ 42.7918, 41.6797,  
46.3471

■ 38.4019, 34.7588,  
39.1517

■ 47.8073, 49.6718,  
54.3032

■ 34.6087, 28.8579,  
32.6911

■ 53.4684, 58.7723,  
63.0395

■ 31.3864, 23.9299,  
26.9420

■ 59.7988, 69.0237,  
72.5779

■ 28.7060, 19.9218,  
21.8784

■ 66.8200, 80.4644,  
82.9388

■ 26.5358, 16.7756,  
17.4729

■ 72.2766, 88.5797,  
93.3833

■ 24.8403, 14.4264,  
13.6958

■ 74.1505, 89.3293,  
103.2509

■ 23.5794, 12.8003,  
10.5148

■ 75.0455, 89.6873,  
107.9638

■ 22.7059, 11.8089,  
7.8940

■ 22.2209, 11.3415,  
6.1831

# Harmonies

## Analogous

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



42.1820, 41.6797, 50.8501



42.7918, 41.6797, 46.3471



42.5319, 41.6797, 41.8742

# Triad

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



42.7918, 41.6797, 46.3471



38.3707, 41.6797, 37.7050



37.8062, 41.6797, 52.9670

# Complementary

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



42.7918, 41.6797, 46.3471



42.7949, 48.4209, 51.3489

# 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.



36.8352, 41.6797, 49.0806



42.7918, 41.6797, 46.3471



37.1549, 41.6797, 40.3208

# Square

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



42.7918, 41.6797, 46.3471



39.9508, 41.6797, 37.0824



36.6000, 41.6797, 44.4306



39.2817, 41.6797, 54.8362



# Rectangle

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



42.7918, 41.6797, 46.3471



41.9039, 41.6797, 39.4833



36.6000, 41.6797, 44.4306



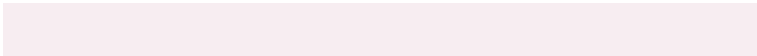
37.4116, 41.6797, 51.8409

# Sweetspot

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



42.7930, 41.6815, 46.3480



84.7594, 87.0153, 95.4664



42.3940, 41.2961, 54.4523



18.4551, 18.8566, 20.7160



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.7930, 41.6815, 46.3480



74.9285, 71.3891, 79.7481



42.6709, 42.6574, 42.5461



9.6635, 9.5897, 10.6168



14.8093, 7.5549, 4.2893



0.6114, 0.3085, 0.3331



# Inverse Universe

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



42.7930, 41.6815, 46.3480



74.9285, 71.3891, 79.7481



42.9070, 47.2844, 55.5812



9.6635, 9.5897, 10.6168



14.8093, 7.5549, 4.2893

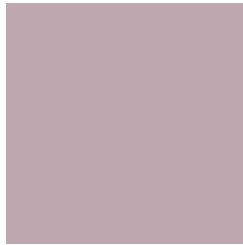


0.6114, 0.3085, 0.3331



# Previews

## White Background



This preview shows how the XYZ color 42.7918, 41.6797, 46.3471 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

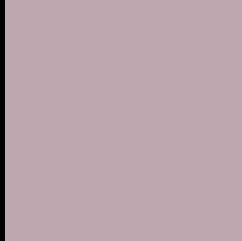
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7918, 41.6797, 46.3471 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 42.7918, 41.6797, 46.3471**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7918, 41.6797, 46.3471.



This preview shows how white text looks on a background with the XYZ color 42.7918, 41.6797,



# 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

42.7918, 41.6797, 46.3471

### Protanopia

40.4676, 41.8334, 48.0613

### Deuteranopia

42.7268, 41.9192, 46.3967



## Tritanopia

43.2588, 41.6035, 48.3981

# Trichromacy



## Original Color

42.7918, 41.6797, 46.3471

## Protanomaly

41.1329, 41.6271, 47.4619

## Deuteranomaly

42.7268, 41.9192, 46.3967

## Tritanomaly

43.1580, 41.5632, 47.8673

# Monochromacy



## Original Color

42.7918, 41.6797, 46.3471

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

41.3128, 42.3035, 46.5454

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7918, 41.6797, 46.3471 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(190, 167, 175)` looks like.

```
.text, #text, p{  
    color:rgb(190, 167, 175)  
}
```

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(190, 167, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 167, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7918, 41.6797, 46.3471 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(190, 167, 175) }
```



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

```
.border{ border-color:rgb(190, 167, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 167, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 167, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 167, 175);  
box-shadow:4px 4px 4px 4px rgb(190, 167,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7918, 41.6797, 46.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 167, 175) }
```

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

```
.background{ background-color: rgb(190,  
167, 175) }
```

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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