

# Converting Colors

XYZ(46.4209, 47.8162, 47.3410)

Have a look what the booklet for  
XYZ(46.4209, 47.8162, 47.3410)  
contains.

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# Color

**XYZ(46.4581, 47.8885,  
47.3522)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1B6AF
RGB	193, 182, 175
RGB Percent	76%, 71%, 69%
CMY	0.2431, 0.2863, 0.3137
CMYK	0.00, 0.06, 0.09, 0.24
HSL	23°, 13%, 72%
HSV	23°, 9%, 76%
XYZ	46.4581, 47.8885, 47.3522
YIQ	184.4910, 8.8030, 0.1550

# Conversions

## Conversions Part 2

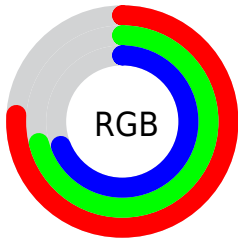
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 186, 175
Decimal	12695215
CIELab	74.75, 2.68, 4.95
CIELCh	75, 5.625, 61.561
Yxy	47.8885, 0.3279, 0.3380
Android (android.graphics.Color)	4290885295 (0xFFC1B6AF)
YUV	184.4910, -4.6791, 7.4624
Hunter-Lab	69.2015, -1.2676, 7.8710

# Details

The XYZ color **46.4581, 47.8885, 47.3522** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.8635, 48.0810, 57.3685**, and the grayscale version is **45.8543, 48.2423, 52.5359**.

A 20% lighter version of the original color is **83.9244, 87.0020, 87.2327**, and **22.0729, 22.6195, 21.9415** is the 20% darker color. If you saturate the color by 10%, you get **42.3829, 42.5576, 37.3006**, and if you desaturate by 10%, it is **51.0103, 53.7387, 58.9006**.

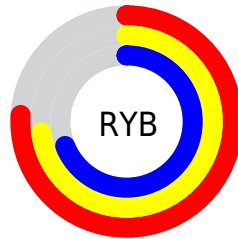
# Distribution



Red (76%)

Green (71%)

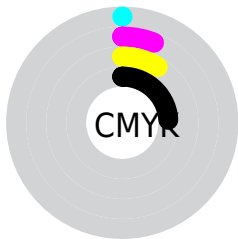
Blue (69%)



Red (76%)

Yellow (73%)

Blue (69%)

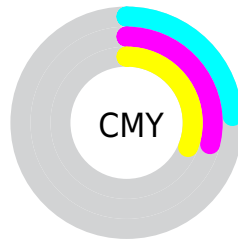


Cyan (0%)

Magenta (6%)

Yellow (9%)

Black (24%)



Cyan (24%)

Magenta (29%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4581, 47.8885, 47.3522 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 46.4581, 47.8885, 47.3522 by changing the saturation by 10% instead.



■ 46.4581, 47.8885,  
47.3522

■ 46.4581, 47.8885,  
47.3522

363.3325,  
378.3500, 392.6530

■ 32.8136, 33.7386,  
32.9578

■ 84.1278, 87.0384,  
87.5946

■ 22.1423, 22.6929,  
21.8233

108.8838,  
112.8071, 114.2797

■ 14.0787, 14.3669,  
13.5300

138.0743,  
143.2176, 145.8988

■ 8.2575, 8.3763,  
7.6595

172.0647,  
178.6542, 182.8704

■ 4.3133, 4.3366,  
3.7932

211.2204,  
219.5014, 225.6131

■ 1.8809, 1.8636,  
1.5126

255.9067,

■ 0.5657, 0.5264,

266.1435, 274.5454

0.2273

306.4889,  
318.9649, 330.0859

■ 0.0000, 0.0000,  
0.0000

■ 46.4581, 47.8885,  
47.3522

■ 46.4581, 47.8885,  
47.3522

■ 42.3829, 42.5576,  
37.3006

■ 51.0103, 53.7387,  
58.9006

■ 38.7643, 37.7251,  
28.6809

■ 56.0510, 60.1157,  
72.0011

■ 35.5861, 33.3778,  
21.4278

■ 61.5964, 67.0351,  
86.7096

■ 32.8298, 29.4997,  
15.4698

■ 67.6607, 74.5096,  
103.0787

■ 30.4751, 26.0737,  
10.7288

■ 71.4852, 81.4429,  
106.5601

■ 28.5002, 23.0815,  
7.1181

■ 75.0883, 88.6490,  
107.7611

■ 26.8804, 20.5033,  
4.5394

■ 75.8025, 90.0776,  
107.9992

■ 25.5878, 18.3174,  
2.8772

■ 24.5765, 16.4942,  
1.9257

# Harmonies

## Analogous

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



47.2103, 47.8885, 49.2541



46.4581, 47.8885, 47.3522



45.4631, 47.8885, 46.7206

# Triad

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



46.4581, 47.8885, 47.3522



43.5818, 47.8885, 52.2958



46.5521, 47.8885, 57.0824

# Complementary

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



46.4581, 47.8885, 47.3522



44.8635, 48.0810, 57.3685

# 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.



45.5701, 47.8885, 57.9683



46.4581, 47.8885, 47.3522



43.8639, 47.8885, 55.1416

# Square

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



46.4581, 47.8885, 47.3522



43.8117, 47.8885, 49.5100



44.5879, 47.8885, 57.2453



47.2651, 47.8885, 54.8666



# Rectangle

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



46.4581, 47.8885, 47.3522



44.7988, 47.8885, 47.0853



44.5879, 47.8885, 57.2453



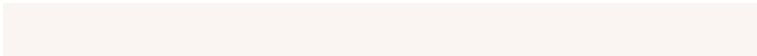
46.2420, 47.8885, 57.5493

# Sweetspot

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



46.4594, 47.8906, 47.3532



88.2255, 92.2392, 97.4761



46.1964, 45.5475, 52.8674



18.7843, 19.6048, 20.5481



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

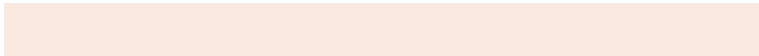


# Same Dimension

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



46.4594, 47.8906, 47.3532



81.7977, 83.9398, 81.2872



48.3397, 51.6511, 47.9800



10.3874, 10.7063, 10.5809



16.3779, 11.0415, 1.2680



0.7746, 0.6111, 0.0771

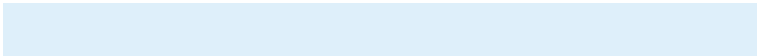


# Inverse Universe

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



44.8635, 48.0810, 57.3685



78.4162, 84.3431, 102.5072



43.0473, 44.4487, 56.7631



10.0289, 10.7490, 12.8310



10.7832, 11.3228, 35.1738



0.5312, 0.6199, 1.5415



# Previews

## White Background



This preview shows how the XYZ color 46.4581, 47.8885, 47.3522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

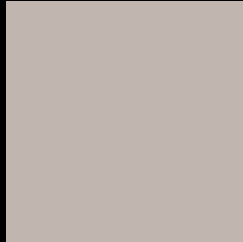
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.4581, 47.8885, 47.3522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

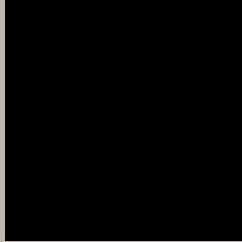
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.4581, 47.8885, 47.3522**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4581, 47.8885, 47.3522.



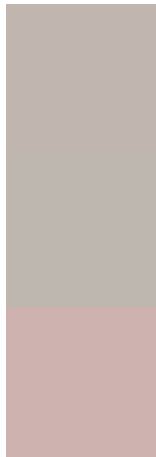
This preview shows how white text looks on a background with the XYZ color 46.4581, 47.8885,



# 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

46.4581, 47.8885, 47.3522

### Protanopia

45.7562, 47.8204, 47.8929

### Deuteranopia

48.9337, 47.9545, 47.7514



## Tritanopia

48.5107, 47.8262, 57.1267

# Trichromacy



## Original Color

46.4581, 47.8885, 47.3522

## Protanomaly

46.0052, 47.9487, 47.9046

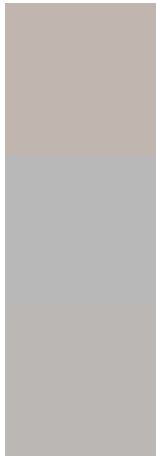
## Deuteranomaly

48.0440, 47.7923, 47.7669

## Tritanomaly

47.6899, 47.7898, 53.1652

# Monochromacy



## Original Color

46.4581, 47.8885, 47.3522

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

45.7675, 47.7680, 50.5240

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4581, 47.8885, 47.3522 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(193, 182, 175)` looks like.

```
.text, #text, p{  
    color:rgb(193, 182, 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(193, 182, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 182, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4581, 47.8885, 47.3522 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(193, 182, 175) }
```



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

```
.border{ border-color:rgb(193, 182, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 182, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 182, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 182, 175);  
box-shadow:4px 4px 4px 4px rgb(193, 182,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4581, 47.8885, 47.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 182, 175) }
```

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

```
.background{ background-color: rgb(193,  
182, 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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