

# Converting Colors

XYZ(47.4240, 47.8688, 50.1686)

Have a look what the booklet for  
XYZ(47.4240, 47.8688, 50.1686)  
contains.

<b>XYZ(47.5270, 48.0788, 49.9552)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.5270, 48.0788,  
49.9552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4B5B4
RGB	196, 181, 180
RGB Percent	77%, 71%, 71%
CMY	0.2314, 0.2902, 0.2941
CMYK	0.00, 0.08, 0.08, 0.23
HSL	4°, 12%, 74%
HSV	4°, 8%, 77%
XYZ	47.5270, 48.0788, 49.9552
YIQ	185.3710, 9.2610, 2.8690

# Conversions

## Conversions Part 2

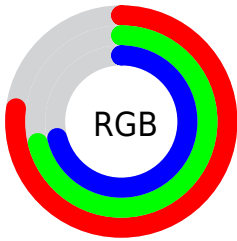
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 181, 180
Decimal	12891572
CIE Lab	74.87, 5.16, 2.43
CIE LCh	75, 5.701, 25.186
Yxy	48.0788, 0.3265, 0.3303
Android (android.graphics.Color)	4291081652 (0xFFC4B5B4)
YUV	185.3710, -2.6479, 9.3216
Hunter-Lab	69.3389, 1.0064, 5.8217

# Details

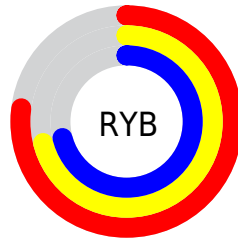
The XYZ color **47.5270, 48.0788, 49.9552** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.3011, 52.7180, 59.8548**, and the grayscale version is **46.3325, 48.7454, 53.0837**.

A 20% lighter version of the original color is **85.9325, 87.5071, 91.7183**, and **22.7053, 22.7214, 23.2677** is the 20% darker color. If you saturate the color by 10%, you get **42.1778, 40.3526, 39.0078**, and if you desaturate by 10%, it is **53.6539, 56.9072, 62.5560**.

# Distribution



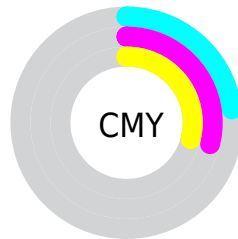
- Red (77%)
- Green (71%)
- Blue (71%)



- Red (77%)
- Yellow (71%)
- Blue (71%)



- Cyan (0%)
- Magenta (8%)
- Yellow (8%)
- Black (23%)



- Cyan (23%)
- Magenta (29%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5270, 48.0788, 49.9552 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 47.5270, 48.0788, 49.9552 by changing the saturation by 10% instead.





 47.5270, 48.0788,  
49.9552

 47.5270, 48.0788,  
49.9552

367.5281,  
379.1044, 403.2208

 33.6622, 33.8893,  
35.0069

 85.7137, 87.3217,  
91.5041

 22.7958, 22.8086,  
23.3846


110.7663,  
113.1439, 118.9418

 14.5627, 14.4522,  
14.6698

140.2788,  
143.6125, 151.3796

 8.5974, 8.4359,  
8.4439

174.6166,  
179.1118, 189.2362

 4.5345, 4.3751,  
4.2885

214.1451,  
220.0262, 232.9301

 2.0087, 1.8855,  
1.7849

259.2296,

 0.6389, 0.5396,

266.7402, 282.8798

0.4180

310.2355,  
319.6381, 339.5038

■ 0.0000, 0.0000,  
0.0000

■ 47.5270, 48.0788,  
49.9552

■ 47.5270, 48.0788,  
49.9552

■ 42.1778, 40.3526,  
39.0078

■ 53.6539, 56.9072,  
62.5560

■ 37.5713, 33.6795,  
29.6424

■ 60.5835, 66.8722,  
76.8715

■ 33.6758, 28.0156,  
21.7865

■ 68.3449, 78.0144,  
92.9638

■ 30.4560, 23.3119,  
15.3613

■ 76.4119, 90.1493,  
107.9810

■ 27.8732, 19.5151,  
10.2805

■ 76.5751, 90.4759,  
108.0354

■ 25.8850, 16.5667,  
6.4487

■ 24.4439, 14.4016,  
3.7578

■ 23.4950, 12.9448,  
2.0815

■ 22.9653, 12.1046,  
1.2294

# Harmonies

## Analogous

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



47.7148, 48.0788, 52.8306



47.5270, 48.0788, 49.9552



46.8461, 48.0788, 47.7967

# Triad

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



47.5270, 48.0788, 49.9552



44.0787, 48.0788, 49.1545



45.5302, 48.0788, 58.2530

# Complementary

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



47.5270, 48.0788, 49.9552



48.3011, 52.7180, 59.8548

# 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.



44.5677, 48.0788, 57.1829



47.5270, 48.0788, 49.9552



43.7378, 48.0788, 51.8716

# Square

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



47.5270, 48.0788, 49.9552



44.8536, 48.0788, 47.3468



43.9155, 48.0788, 54.8194



46.5519, 48.0788, 57.6931



# Rectangle

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



47.5270, 48.0788, 49.9552



46.2095, 48.0788, 47.0171



43.9155, 48.0788, 54.8194



45.1892, 48.0788, 58.0709

# Sweetspot

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



47.5283, 48.0809, 49.9562



92.7336, 96.6638, 104.1307



48.9597, 48.3281, 58.4967



19.8731, 20.7250, 22.3382



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

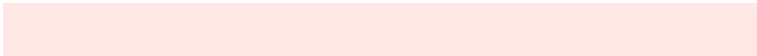


# Same Dimension

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



47.5283, 48.0809, 49.9562



84.0566, 84.1526, 86.3081



49.1583, 51.3408, 50.4995



10.1228, 10.1770, 10.4927



14.7369, 7.7595, 0.7210



0.6546, 0.3710, 0.0371

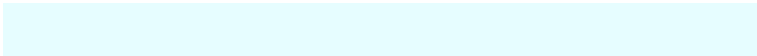


# Inverse Universe

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



48.3011, 52.7180, 59.8548



85.7747, 94.4641, 108.3203



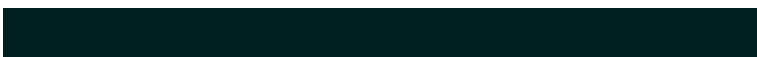
46.5996, 49.3150, 59.2877



10.3127, 11.3167, 12.9256



17.4003, 24.5570, 37.3795



0.7685, 1.0943, 1.6206



# Previews

## White Background



This preview shows how the XYZ color 47.5270, 48.0788, 49.9552 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 47.5270, 48.0788, 49.9552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

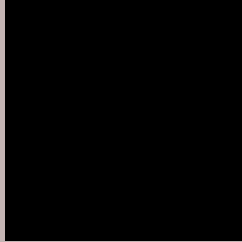
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 47.5270, 48.0788, 49.9552

## Background



This preview shows how black text looks on a background with the XYZ color 47.5270, 48.0788, 49.9552.



This preview shows how white text looks on a background with the XYZ color 47.5270, 48.0788,

49.9552.

# 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

47.5270, 48.0788, 49.9552

### Protanopia

46.0130, 47.8945, 50.5355

### Deuteranopia

48.8895, 47.8735, 50.3798



## Tritanopia

49.0344, 48.0962, 57.1512

# Trichromacy



## Original Color

47.5270, 48.0788, 49.9552

## Protanomaly

46.5543, 47.8685, 50.5019

## Deuteranomaly

48.2800, 47.8558, 50.4085

## Tritanomaly

48.4243, 48.1437, 54.3174

# Monochromacy



## Original Color

47.5270, 48.0788, 49.9552

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

46.6740, 48.5187, 51.7048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5270, 48.0788, 49.9552 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(196, 181, 180)` looks like.

```
.text, #text, p{  
    color:rgb(196, 181, 180)  
}
```

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(196, 181, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 181, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5270, 48.0788, 49.9552 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(196, 181, 180) }
```



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

```
.border{ border-color:rgb(196, 181, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 181, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 181, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 181, 180);  
box-shadow:4px 4px 4px 4px rgb(196, 181,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5270, 48.0788, 49.9552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 181, 180) }
```

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

```
.background{ background-color: rgb(196,  
181, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor