

# Converting Colors

XYZ(53.4839, 49.9887, 48.4387)

Have a look what the booklet for  
XYZ(53.4839, 49.9887, 48.4387)  
contains.

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# Color

**XYZ(53.4767, 49.9908,  
48.4256)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDB1B1
RGB	221, 177, 177
RGB Percent	87%, 69%, 69%
CMY	0.1333, 0.3059, 0.3059
CMYK	0.00, 0.20, 0.20, 0.13
HSL	0°, 39%, 78%
HSV	0°, 20%, 87%
XYZ	53.4767, 49.9908, 48.4256
YIQ	190.1560, 26.2240, 9.3280

# Conversions

## Conversions Part 2

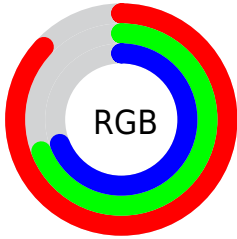
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 177, 177
Decimal	14528945
CIE <sub>Lab</sub>	76.06, 15.95, 6.07
CIE <sub>LCh</sub>	76, 17.063, 20.828
Yxy	49.9908, 0.3521, 0.3291
Android (android.graphics.Color)	4292719025 (0xFFDDB1B1)
YUV	190.1560, -6.4859, 27.0502
Hunter-Lab	70.7042, 11.2752, 8.8849

# Details

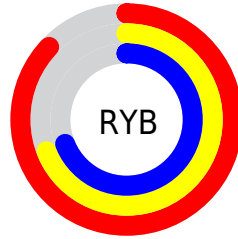
The XYZ color **53.4767, 49.9908, 48.4256** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **57.0383, 66.2785, 78.1936**, and the grayscale version is **49.0602, 51.6151, 56.2089**.

A 20% lighter version of the original color is **85.0869, 85.4210, 89.0941**, and **26.3628, 23.8699, 22.2867** is the 20% darker color. If you saturate the color by 10%, you get **47.4330, 41.1475, 36.4091**, and if you desaturate by 10%, it is **60.5867, 60.3949, 62.5586**.

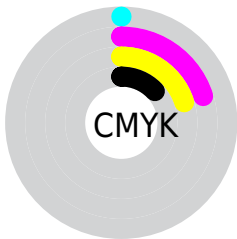
# Distribution



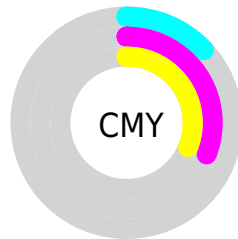
- Red (87%)
- Green (69%)
- Blue (69%)



- Red (87%)
- Yellow (69%)
- Blue (69%)



- Cyan (0%)
- Magenta (20%)
- Yellow (20%)
- Black (13%)



- Cyan (13%)
- Magenta (31%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4767, 49.9908, 48.4256 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 53.4767, 49.9908, 48.4256 by changing the saturation by 10% instead.





 53.4767, 49.9908,  
48.4256

 53.4767, 49.9908,  
48.4256


390.3423,  
386.6300, 397.0339

 38.4125, 35.4061,  
33.8017


 94.4669, 90.1612,  
89.2099

 26.4816, 23.9759,  
22.4651


121.1235,  
116.5158, 116.2073

 17.3189, 15.3157,  
13.9975


152.3750,  
147.5624, 148.1663

 10.5588, 9.0413,  
7.9802

188.5866,  
183.6854, 185.5054

 5.8361, 4.7681,  
3.9947

230.1238,  
225.2693, 228.6432

 2.7854, 2.1119,  
1.6224

277.3520,

 1.0413, 0.6713,

272.6984, 277.9982

0.3067

330.6363,  
326.3572, 333.9889

0.0000, 0.0000,  
0.0000

53.4767, 49.9908,  
48.4256

53.4767, 49.9908,  
48.4256

47.4330, 41.1475,  
36.4091

60.5867, 60.3949,  
62.5586

42.4003, 33.7832,  
26.4044

68.8065, 72.4226,  
78.8998

38.3248, 27.8195,  
18.3025

78.1823, 86.1418,  
97.5392

35.1457, 23.1675,  
11.9830

83.6289, 94.1122,  
108.3655

32.7956, 19.7286,  
7.3115

■ 31.1974, 17.3898,  
4.1349

■ 30.2597, 16.0175,  
2.2712

■ 29.8224, 15.3775,  
1.4021

■ 29.8191, 15.3727,  
1.3956

# Harmonies

## Analogous

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



53.8260, 49.9908, 57.2777



53.4767, 49.9908, 48.4256



51.4923, 49.9908, 41.9257

# Triad

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



53.4767, 49.9908, 48.4256



42.9197, 49.9908, 44.0796



46.5445, 49.9908, 73.6646

# Complementary

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



53.4767, 49.9908, 48.4256



57.0383, 66.2785, 78.1936

# 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.



43.7475, 49.9908, 69.2055



53.4767, 49.9908, 48.4256



41.7172, 49.9908, 51.6812

# Square

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



53.4767, 49.9908, 48.4256



45.3686, 49.9908, 39.6183



42.0133, 49.9908, 60.9145



49.7276, 49.9908, 72.5414



# Rectangle

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



53.4767, 49.9908, 48.4256



49.5562, 49.9908, 39.4780



42.0133, 49.9908, 60.9145



45.5302, 49.9908, 72.7518

# Sweetspot

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



53.4781, 49.9931, 48.4266



87.9959, 89.6780, 94.8763



58.5924, 52.0374, 75.3629



18.6778, 18.9652, 19.9955



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.



53.4781, 49.9931, 48.4266



70.2038, 63.6434, 59.5055



58.1784, 59.3938, 49.9934



13.0562, 13.0517, 13.5567



17.3224, 8.9303, 0.8107



1.1223, 0.5786, 0.0525



# Inverse Universe

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



57.0383, 66.2785, 78.1936



76.0049, 90.1790, 108.0081



51.6065, 55.4149, 76.3830



13.4448, 14.8294, 16.8059



22.5986, 33.0667, 44.9298

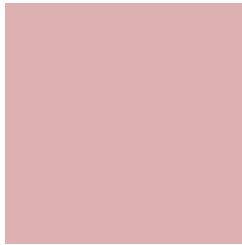


1.4641, 2.1423, 2.9108



# Previews

## White Background



This preview shows how the XYZ color 53.4767, 49.9908, 48.4256 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

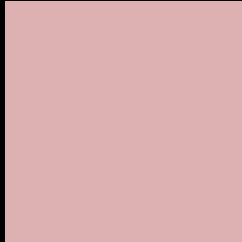
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.4767, 49.9908, 48.4256 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 53.4767, 49.9908, 48.4256**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.4767, 49.9908, 48.4256.



This preview shows how white text looks on a background with the XYZ color 53.4767, 49.9908,

48.4256.

# 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

53.4767, 49.9908, 48.4256

### Protanopia

47.9520, 50.1245, 51.4036

### Deuteranopia

50.9387, 49.8840, 48.0181



## Tritanopia

54.6395, 49.8637, 54.8889

# Trichromacy



## Original Color

53.4767, 49.9908, 48.4256

## Protanomaly

49.8003, 49.8588, 50.1790

## Deuteranomaly

51.8893, 50.0732, 48.0045

## Tritanomaly

54.4065, 50.0830, 52.6984

# Monochromacy



## Original Color

53.4767, 49.9908, 48.4256

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

50.1933, 50.6182, 53.0238

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.4767, 49.9908, 48.4256 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(221, 177, 177)` looks like.

```
.text, #text, p{  
    color:rgb(221, 177, 177)  
}
```

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(221, 177, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 177, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 53.4767, 49.9908, 48.4256 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(221, 177, 177) }
```



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

```
.border{ border-color:rgb(221, 177, 177) }
```

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

Here you see how a box with a 4 pixel rgb(221, 177, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 177, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 177, 177);  
box-shadow:4px 4px 4px 4px rgb(221, 177,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.4767, 49.9908, 48.4256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 177, 177) }
```

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

```
.background{ background-color: rgb(221,  
177, 177) }
```

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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