

# Converting Colors

XYZ(49.5776, 48.6784, 30.0752)

Have a look what the booklet for  
XYZ(49.5776, 48.6784, 30.0752)  
contains.

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# Color

**XYZ(49.5777, 48.6784,  
30.0754)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBB288
RGB	219, 178, 136
RGB Percent	86%, 70%, 53%
CMY	0.1412, 0.3019, 0.4667
CMYK	0.00, 0.19, 0.38, 0.14
HSL	30°, 54%, 70%
HSV	30°, 38%, 86%
XYZ	49.5777, 48.6784, 30.0754
YIQ	185.4710, 37.9180, -4.3700

# Conversions

## Conversions Part 2

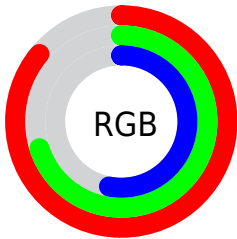
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 219, 136
Decimal	14398088
CIE <sub>Lab</sub>	75.25, 9.17, 27.08
CIE <sub>LCh</sub>	75, 28.587, 71.300
Yxy	48.6784, 0.3863, 0.3793
Android (android.graphics.Color)	4292588168 (0xFFDDBB288)
YUV	185.4710, -24.3892, 29.4049
Hunter-Lab	69.7699, 4.7427, 23.2811

# Details

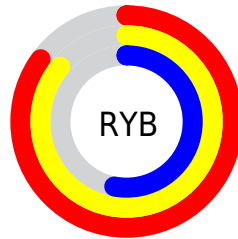
The XYZ color **49.5777, 48.6784, 30.0754** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.6611, 41.7915, 73.0466**, and the grayscale version is **46.4945, 48.9158, 53.2693**.

A 20% lighter version of the original color is **79.9571, 83.8233, 60.6805**, and **23.9136, 23.0205, 11.9871** is the 20% darker color. If you saturate the color by 10%, you get **46.1098, 43.9839, 22.0094**, and if you desaturate by 10%, it is **53.5359, 53.8441, 39.8747**.

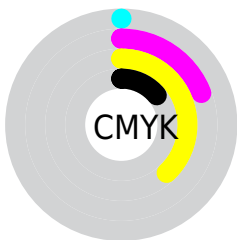
# Distribution



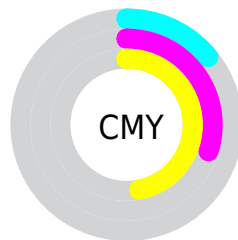
- Red (86%)
- Green (70%)
- Blue (53%)



- Red (85%)
- Yellow (86%)
- Blue (53%)



- Cyan (0%)
- Magenta (19%)
- Yellow (38%)
- Black (14%)



- Cyan (14%)
- Magenta (30%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5777, 48.6784, 30.0754 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 49.5777, 48.6784, 30.0754 by changing the saturation by 10% instead.





 49.5777, 48.6784,  
30.0754


 49.5777, 48.6784,  
30.0754


375.4915,  
381.4749, 316.4740


 35.2944, 34.3644,  
19.6433


 88.7444, 88.2136,  
60.8438

 24.0573, 23.1737,  
11.9545


 114.3586,  
114.2037, 82.0172

 15.5011, 14.7218,  
6.5906


 144.4804,  
144.8545, 107.6081

 9.2604, 8.6244,  
3.1328

179.4752,  
180.5506, 138.0350

 4.9699, 4.4970,  
1.1629

219.7083,  
221.6763, 173.7165

 2.2642, 1.9553,  
0.0000

265.5452,

 0.7762, 0.5813,

268.6159, 215.0712

0.0000

317.3511,  
321.7540, 262.5175

■ 0.0000, 0.0000,  
0.0000

■ 49.5777, 48.6784,  
30.0754

■ 49.5777, 48.6784,  
30.0754

■ 46.1098, 43.9839,  
22.0094

■ 53.5359, 53.8441,  
39.8747

■ 43.1050, 39.7383,  
15.5699

■ 58.0022, 59.4889,  
51.4996

■ 40.5389, 35.9270,  
10.6424


■ 62.9981, 65.6288,  
65.0393

■ 38.3827, 32.5318,  
7.0962


■ 68.5424, 72.2773,  
80.5764

■ 36.6033, 29.5326,  
4.7781


■ 74.6533, 79.4469,  
98.1883

 35.1554, 26.9038,  
3.4722

 79.2859, 86.3251,  
107.0913

 34.8795, 26.3923,  
3.2559

 82.6174, 92.9880,  
108.2018

 83.0234, 93.8000,  
108.3372

# Harmonies

## Analogous

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



54.2677, 48.6784, 36.1289



49.5777, 48.6784, 30.0754



44.3185, 48.6784, 29.4188

# Triad

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



49.5777, 48.6784, 30.0754



37.0629, 48.6784, 58.8680



53.2502, 48.6784, 77.8058

# Complementary

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



49.5777, 48.6784, 30.0754



38.6611, 41.7915, 73.0466

# 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.



48.2725, 48.6784, 86.6827



49.5777, 48.6784, 30.0754



39.0947, 48.6784, 74.4498

# Square

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



49.5777, 48.6784, 30.0754



37.3543, 48.6784, 44.2686



43.1078, 48.6784, 85.3500



56.4961, 48.6784, 62.8156



# Rectangle

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



49.5777, 48.6784, 30.0754



41.2216, 48.6784, 31.9499



43.1078, 48.6784, 85.3500



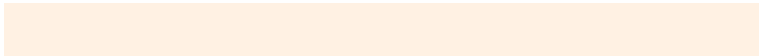
51.7089, 48.6784, 81.7208

# Sweetspot

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



49.5789, 48.6807, 30.0764



86.5966, 89.8001, 85.4059



46.0036, 35.8632, 46.3548



18.3263, 18.9649, 17.7120



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.



49.5789, 48.6807, 30.0764



66.2601, 63.6968, 33.7101



58.9889, 67.5006, 33.2130



13.5980, 14.1353, 13.7373



20.7918, 15.8692, 1.9672



1.4332, 1.2005, 0.1562

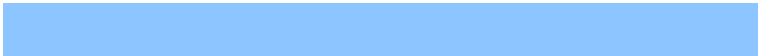


# Inverse Universe

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



38.6611, 41.7915, 73.0466



48.8571, 52.7166, 102.2080



31.7442, 27.9576, 70.7410



12.8672, 13.6741, 16.6133



10.8811, 9.6317, 41.0240



0.7911, 0.7963, 2.6864



# Previews

## White Background



This preview shows how the XYZ color 49.5777, 48.6784, 30.0754 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

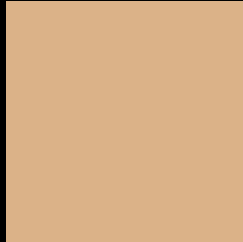
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.5777, 48.6784, 30.0754 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 49.5777, 48.6784, 30.0754**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.5777, 48.6784, 30.0754.



This preview shows how white text looks on a background with the XYZ color 49.5777, 48.6784,

30.0754.

# 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

49.5777, 48.6784, 30.0754

### Protanopia

45.5624, 48.7041, 31.4255

### Deuteranopia

49.8795, 48.8340, 30.0895



## Tritanopia

54.0603, 48.4759, 52.4064

# Trichromacy



## Original Color

49.5777, 48.6784, 30.0754

## Protanomaly

46.7690, 48.4127, 30.9243

## Deuteranomaly

49.8795, 48.8340, 30.0895

## Tritanomaly

52.2353, 48.5917, 43.1853

# Monochromacy



## Original Color

49.5777, 48.6784, 30.0754

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

46.7290, 48.1162, 43.3837

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.5777, 48.6784, 30.0754 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(219, 178, 136)` looks like.

```
.text, #text, p{  
    color:rgb(219, 178, 136)  
}
```

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(219, 178, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 178, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 49.5777, 48.6784, 30.0754 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(219, 178, 136) }
```



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

```
.border{ border-color:rgb(219, 178, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 178, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 178, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 178, 136);  
box-shadow:4px 4px 4px 4px rgb(219, 178,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.5777, 48.6784, 30.0754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 178, 136) }
```

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

```
.background{ background-color: rgb(219,  
178, 136) }
```

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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