

# Converting Colors

XYZ(48.9747, 49.1283, 28.0410)

Have a look what the booklet for  
XYZ(48.9747, 49.1283, 28.0410)  
contains.

<b>XYZ(48.9658, 49.0059, 27.9974)</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(48.9658, 49.0059,  
27.9974)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9B482
RGB	217, 180, 130
RGB Percent	85%, 71%, 51%
CMY	0.1490, 0.2941, 0.4902
CMYK	0.00, 0.17, 0.40, 0.15
HSL	34°, 53%, 68%
HSV	34°, 40%, 85%
XYZ	48.9658, 49.0059, 27.9974
YIQ	185.3630, 38.1020, -7.7060

# Conversions

## Conversions Part 2

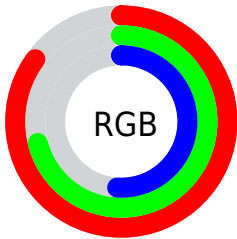
Format	Color
<a href="#">RYB</a>	<a href="#">194, 217, 130</a>
Decimal	<a href="#">14267522</a>
CIELab	<a href="#">75.45, 6.62, 30.50</a>
CIElCh	<a href="#">75, 31.213, 77.750</a>
Yxy	<a href="#">49.0059, 0.3887, 0.3890</a>
Android (android.graphics.Color)	<a href="#">4292457602 (0xFFD9B482)</a>
YUV	<a href="#">185.3630, -27.2940, 27.7456</a>
Hunter-Lab	<a href="#">70.0042, 2.3479, 25.2906</a>

# Details

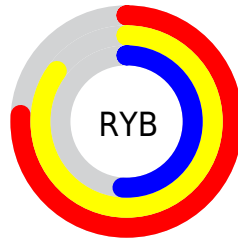
The XYZ color **48.9658, 49.0059, 27.9974** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **35.5486, 37.3918, 70.9894**, and the grayscale version is **46.4498, 48.8688, 53.2181**.

A 20% lighter version of the original color is **79.7827, 84.6698, 56.9377**, and **23.7353, 23.3350, 10.8425** is the 20% darker color. If you saturate the color by 10%, you get **45.8591, 44.8829, 20.5179**, and if you desaturate by 10%, it is **52.5061, 53.5045, 37.1379**.

# Distribution



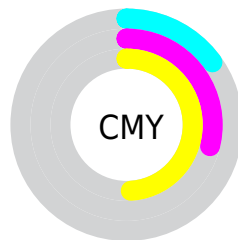
- Red (85%)
- Green (71%)
- Blue (51%)



- Red (76%)
- Yellow (85%)
- Blue (51%)



- Cyan (0%)
- Magenta (17%)
- Yellow (40%)
- Black (15%)




- Cyan (15%)
- Magenta (29%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9658, 49.0059, 27.9974 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 48.9658, 49.0059, 27.9974 by changing the saturation by 10% instead.





 48.9658, 49.0059,  
27.9974


 48.9658, 49.0059,  
27.9974


373.1269,  
382.7655, 306.3660


 34.8068, 34.6242,  
18.0847


 87.8417, 88.7002,  
57.5033

 23.6799, 23.3735,  
10.8407


 113.2893,  
114.7816, 77.9336

 15.2198, 14.8695,  
5.8470


 143.2304,  
145.5316, 102.7069

 9.0611, 8.7279,  
2.6850

178.0304,  
181.3347, 132.2416

 4.8385, 4.5641,  
0.9359

218.0547,  
222.5752, 166.9563

 2.1866, 1.9939,  
0.0000

263.6687,

 0.7357, 0.6039,

269.6376, 207.2696

0.0000

315.2376,  
322.9063, 253.6000

■ 0.0000, 0.0000,  
0.0000

■ 48.9658, 49.0059,  
27.9974

■ 48.9658, 49.0059,  
27.9974

■ 45.8591, 44.8829,  
20.5179

■ 52.5061, 53.5045,  
37.1379

■ 43.1606, 41.1159,  
14.5931

■ 56.4966, 58.3835,  
48.0307

■ 40.8473, 37.6936,  
10.1088


■ 60.9570, 63.6563,  
60.7642


■ 38.8918, 34.6012,  
6.9338


■ 65.9050, 69.3334,  
75.4196


■ 37.2622, 31.8214,  
4.9123


■ 71.3571, 75.4250,  
92.0735

 35.9141, 29.3493,  
3.7721

 76.4799, 81.6010,  
106.3274

 79.1963, 87.0338,  
107.2329

 82.0519, 92.7449,  
108.1847

 82.4253, 93.4917,  
108.3092

# Harmonies

## Analogous

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



54.4208, 49.0059, 33.1727



48.9658, 49.0059, 27.9974



43.2863, 49.0059, 28.5125

# Triad

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



48.9658, 49.0059, 27.9974



36.8159, 49.0059, 63.6142



55.2579, 49.0059, 77.6255

# Complementary

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



48.9658, 49.0059, 27.9974



35.5486, 37.3918, 70.9894

# 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.



50.0338, 49.0059, 89.5844



48.9658, 49.0059, 27.9974



39.5285, 49.0059, 80.4190

# Square

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



48.9658, 49.0059, 27.9974



36.5814, 49.0059, 46.9144



44.2703, 49.0059, 90.7007



58.2491, 49.0059, 60.3685



# Rectangle

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



48.9658, 49.0059, 27.9974



40.1280, 49.0059, 32.0215



44.2703, 49.0059, 90.7007



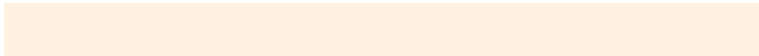
53.6860, 49.0059, 82.5394

# Sweetspot

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



48.9670, 49.0082, 27.9984



86.4974, 90.1606, 83.6496



43.6382, 33.5335, 41.0725



18.3281, 19.0799, 17.3689



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.



48.9670, 49.0082, 27.9984



66.7905, 65.6314, 31.1936



55.7636, 65.1159, 30.7493



13.6743, 14.2880, 13.7627



21.8472, 17.9800, 2.3190



1.5001, 1.3343, 0.1785

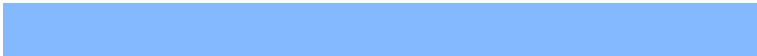


# Inverse Universe

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



35.5486, 37.3918, 70.9894



44.9353, 46.7251, 101.2582



30.6284, 26.1931, 69.0871



12.7916, 13.5229, 16.5881



10.0128, 7.8949, 40.7345



0.7329, 0.6799, 2.6671



# Previews

## White Background



This preview shows how the XYZ color 48.9658, 49.0059, 27.9974 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

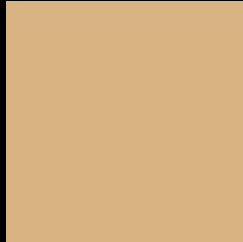
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.9658, 49.0059, 27.9974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

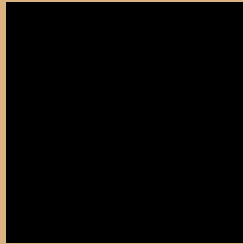
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.9658, 49.0059, 27.9974**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.9658, 49.0059, 27.9974.



This preview shows how white text looks on a background with the XYZ color 48.9658, 49.0059,

27.9974.

# 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

48.9658, 49.0059, 27.9974

### Protanopia

45.6120, 49.0906, 29.2617

### Deuteranopia

50.0739, 48.9821, 27.9344



## Tritanopia

54.2379, 49.1203, 53.0769

# Trichromacy



## Original Color

48.9658, 49.0059, 27.9974

## Protanomaly

46.7589, 49.0687, 28.8365

## Deuteranomaly

49.6646, 49.0675, 27.9725

## Tritanomaly

52.2271, 49.1760, 42.8156

# Monochromacy



## Original Color

48.9658, 49.0059, 27.9974

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

46.7510, 48.4539, 42.4858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.9658, 49.0059, 27.9974 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(217, 180, 130)` looks like.

```
.text, #text, p{  
    color:rgb(217, 180, 130)  
}
```

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(217, 180, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 180, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 48.9658, 49.0059, 27.9974 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(217, 180, 130) }
```



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

```
.border{ border-color:rgb(217, 180, 130) }
```

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

Here you see how a box with a 4 pixel rgb(217, 180, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 180, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 180, 130);  
box-shadow:4px 4px 4px 4px rgb(217, 180,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.9658, 49.0059, 27.9974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 180, 130) }
```

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

```
.background{ background-color: rgb(217,  
180, 130) }
```

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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