

# Converting Colors

XYZ(47.6547, 47.0110, 26.9990)

Have a look what the booklet for  
XYZ(47.6547, 47.0110, 26.9990)  
contains.

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# Color

**XYZ(47.5452, 46.8174,  
26.9528)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8AF80
RGB	216, 175, 128
RGB Percent	85%, 69%, 50%
CMY	0.1529, 0.3137, 0.4980
CMYK	0.00, 0.19, 0.41, 0.15
HSL	32°, 53%, 67%
HSV	32°, 41%, 85%
XYZ	47.5452, 46.8174, 26.9528
YIQ	181.9010, 39.5230, -5.9250

# Conversions

## Conversions Part 2

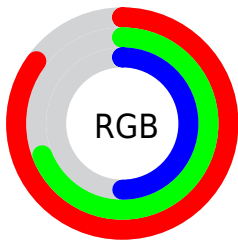
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 216, 128
Decimal	14200704
CIE <sub>Lab</sub>	74.07, 8.67, 29.72
CIE <sub>LCh</sub>	74, 30.958, 73.745
Yxy	46.8174, 0.3919, 0.3859
Android (android.graphics.Color)	4292390784 (0xFFD8AF80)
YUV	181.9010, -26.5732, 29.9048
Hunter-Lab	68.4232, 4.2935, 24.5412

# Details

The XYZ color **47.5452, 46.8174, 26.9528** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.4843, 37.9217, 70.4152**, and the grayscale version is **44.5355, 46.8549, 51.0249**.

A 20% lighter version of the original color is **77.8773, 81.1898, 55.2827**, and **22.7562, 22.0869, 10.2715** is the 20% darker color. If you saturate the color by 10%, you get **44.3863, 42.5377, 19.6166**, and if you desaturate by 10%, it is **51.1551, 51.5145, 35.9334**.

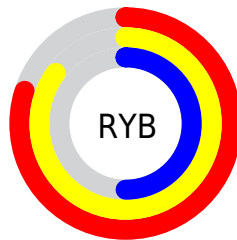
# Distribution



Red (85%)

Green (69%)

Blue (50%)



Red (80%)

Yellow (85%)

Blue (50%)

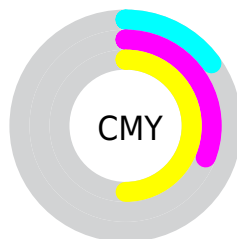


Cyan (0%)

Magenta (19%)

Yellow (41%)

Black (15%)



Cyan (15%)

Magenta (31%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5452, 46.8174, 26.9528 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 47.5452, 46.8174, 26.9528 by changing the saturation by 10% instead.





 47.5452, 46.8174,  
26.9528


 47.5452, 46.8174,  
26.9528


367.5992,  
374.0852, 301.1815


 33.6766, 32.8913,  
17.3057


 85.7407, 85.4410,  
55.8109

 22.8070, 22.0432,  
10.2884


 110.7983,  
110.9073, 75.8590

 14.5710, 13.8887,  
5.4825


 140.3162,  
140.9891, 100.2111

 8.6032, 8.0433,  
2.4694

174.6599,  
176.0709, 129.2858

 4.5383, 4.1226,  
0.8239

214.1947,  
216.5370, 163.5017

 2.0109, 1.7424,  
0.0000

259.2860,

 0.6401, 0.4509,

262.7718, 203.2772

0.0000

310.2990,  
315.1598, 249.0310

■ 0.0000, 0.0000,  
0.0000

■ 47.5452, 46.8174,  
26.9528

■ 47.5452, 46.8174,  
26.9528

■ 44.3863, 42.5377,  
19.6166

■ 51.1551, 51.5145,  
35.9334

■ 41.6522, 38.6546,  
13.8188

■ 55.2332, 56.6356,  
46.6496

■ 39.3194, 35.1553,  
9.4455


■ 59.8000, 62.1954,  
59.1892


■ 37.3597, 32.0231,  
6.3653


■ 64.8734, 68.2056,  
73.6334


■ 35.7400, 29.2391,  
4.4219

■ 70.4707, 74.6777,  
90.0581

 34.4926, 26.9462,  
3.3832

 76.1863, 81.4537,  
106.3144

 79.1555, 87.3920,  
107.3042

 82.1289, 93.3389,  
108.2953

# Harmonies

## Analogous

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



52.6401, 46.8174, 32.6689



47.5452, 46.8174, 26.9528



42.0170, 46.8174, 26.7274

# Triad

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



47.5452, 46.8174, 26.9528



34.9388, 46.8174, 58.5680



52.2721, 46.8174, 76.3240

# Complementary

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



47.5452, 46.8174, 26.9528



35.4843, 37.9217, 70.4152

# 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.



47.0759, 46.8174, 86.6934



47.5452, 46.8174, 26.9528



37.2429, 46.8174, 75.0946

# Square

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



47.5452, 46.8174, 26.9528



35.0416, 46.8174, 42.9100



41.5849, 46.8174, 86.2018



55.5200, 46.8174, 59.9948



# Rectangle

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



47.5452, 46.8174, 26.9528



38.8435, 46.8174, 29.5964



41.5849, 46.8174, 86.2018



50.6774, 46.8174, 80.7600

# Sweetspot

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



47.5464, 46.8196, 26.9537



86.1287, 89.4232, 83.5267



43.2061, 32.9048, 41.6434



18.2413, 18.9063, 17.3400



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.



47.5464, 46.8196, 26.9537



65.1915, 62.7109, 29.8051



55.9122, 64.8265, 29.9885



12.9670, 13.5082, 13.0846



20.5252, 16.1676, 2.0389



1.3205, 1.1402, 0.1505

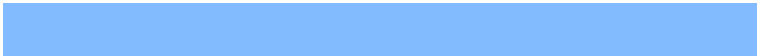


# Inverse Universe

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



35.4843, 37.9217, 70.4152



45.3021, 48.0468, 101.4940



29.4640, 25.2167, 68.2802



12.2147, 12.9528, 15.7939



10.1752, 8.6122, 39.5792

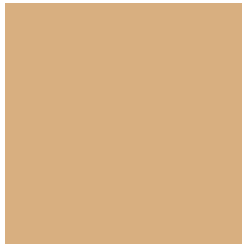


0.6961, 0.6842, 2.4147



# Previews

## White Background



This preview shows how the XYZ color 47.5452, 46.8174, 26.9528 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

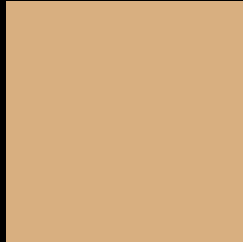
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.5452, 46.8174, 26.9528 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

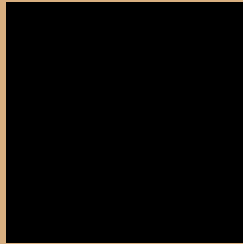
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.5452, 46.8174, 26.9528**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.5452, 46.8174, 26.9528.



This preview shows how white text looks on a background with the XYZ color 47.5452, 46.8174,

26.9528.

# 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

47.5452, 46.8174, 26.9528

### Protanopia

43.5896, 46.8304, 28.2145

### Deuteranopia

47.8415, 46.9702, 26.9667



## Tritanopia

52.1619, 46.7136, 49.9835

# Trichromacy



## Original Color

47.5452, 46.8174, 26.9528

## Protanomaly

44.7780, 46.5484, 27.7438

## Deuteranomaly

47.8415, 46.9702, 26.9667

## Tritanomaly

50.2979, 46.7945, 40.5637

# Monochromacy



## Original Color

47.5452, 46.8174, 26.9528

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

44.8898, 46.3182, 40.7568

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5452, 46.8174, 26.9528 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(216, 175, 128)` looks like.

```
.text, #text, p{  
    color:rgb(216, 175, 128)  
}
```

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(216, 175, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 175, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5452, 46.8174, 26.9528 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(216, 175, 128) }
```



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

```
.border{ border-color:rgb(216, 175, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 175, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 175, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 175, 128);  
box-shadow:4px 4px 4px 4px rgb(216, 175,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5452, 46.8174, 26.9528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 175, 128) }
```

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

```
.background{ background-color: rgb(216,  
175, 128) }
```

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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