

# Converting Colors

XYZ(47.8941, 46.6649, 21.1351)

Have a look what the booklet for  
XYZ(47.8941, 46.6649, 21.1351)  
contains.

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# Color

**XYZ(47.8822, 46.5425,  
21.2118)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DEAD6E
RGB	222, 173, 110
RGB Percent	87%, 68%, 43%
CMY	0.1294, 0.3215, 0.5686
CMYK	0.00, 0.22, 0.50, 0.13
HSL	34°, 63%, 65%
HSV	34°, 50%, 87%
XYZ	47.8822, 46.5425, 21.2118
YIQ	180.4690, 49.4270, -9.2050

# Conversions

## Conversions Part 2

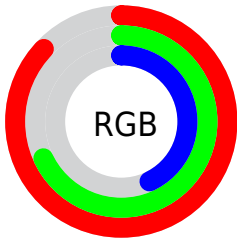
Format	Color
<a href="#">RYB</a>	<a href="#">197, 222, 110</a>
Decimal	<a href="#">14593390</a>
<a href="#">CIELab</a>	<a href="#">73.90, 10.36, 39.05</a>
<a href="#">CIElCh</a>	<a href="#">74, 40.404, 75.139</a>
<a href="#">Yxy</a>	<a href="#">46.5425, 0.4141, 0.4025</a>
Android (android.graphics.Color)	<a href="#">4292783470</a> ( <a href="#">0xFFDEAD6E</a> )
<a href="#">YUV</a>	<a href="#">180.4690, -34.7412, 36.4227</a>
<a href="#">Hunter-Lab</a>	<a href="#">68.2221, 5.8930, 29.3208</a>

# Details

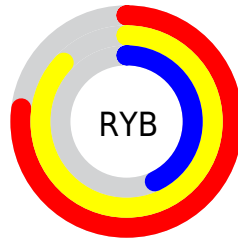
The XYZ color **47.8822, 46.5425, 21.2118** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.0128, 33.3838, 73.8634**, and the grayscale version is **43.7981, 46.0790, 50.1801**.

A 20% lighter version of the original color is **75.5943, 79.3911, 45.9901**, and **22.9895, 21.9042, 7.4311** is the 20% darker color. If you saturate the color by 10%, you get **45.0268, 42.5299, 15.0255**, and if you desaturate by 10%, it is **51.1780, 50.9515, 29.0396**.

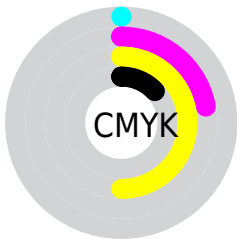
# Distribution



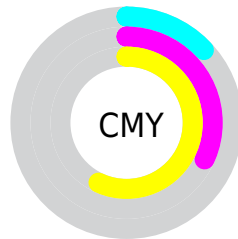
- Red (87%)
- Green (68%)
- Blue (43%)



- Red (77%)
- Yellow (87%)
- Blue (43%)



- Cyan (0%)
- Magenta (22%)
- Yellow (50%)
- Black (13%)



- Cyan (13%)
- Magenta (32%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8822, 46.5425, 21.2118 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 47.8822, 46.5425, 21.2118 by changing the saturation by 10% instead.



47.8822, 46.5425,  
21.2118

47.8822, 46.5425,  
21.2118

368.9154,  
372.9854, 271.2199

33.9445, 32.6741,  
13.0862

86.2397, 85.0303,  
46.3251

23.0136, 21.8769,  
7.3565

111.3903,  
110.4186, 64.1499

14.7243, 13.7665,  
3.6042

141.0091,  
140.4155, 86.0448

8.7112, 7.9584,  
1.4108

175.4616,  
175.4056, 112.4283

4.6089, 4.0684,  
0.1501

215.1131,  
215.7733, 143.7190

2.0520, 1.7119,  
0.0000

260.3290,

0.6629, 0.4313,

261.9029, 180.3355

0.0000

311.4747,  
314.1788, 222.6963

0.0000, 0.0000,  
0.0000

47.8822, 46.5425,  
21.2118

47.8822, 46.5425,  
21.2118

45.0268, 42.5299,  
15.0255

51.1780, 50.9515,  
29.0396

42.5826, 38.8920,  
10.3555

54.9342, 55.7639,  
38.6158

40.5213, 35.6145,  
7.0630

59.1737, 60.9949,  
50.0416

38.8085, 32.6789,  
4.9816

63.9163, 66.6566,  
63.4095

37.4431, 30.1677,  
3.8495

69.1808, 72.7608,  
78.8058

■ 74.9850, 79.3184,  
96.3116

■ 79.6252, 85.6518,  
106.9435

■ 82.5768, 91.5549,  
107.9274

■ 83.9341, 94.2695,  
108.3798

# Harmonies

## Analogous

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



54.7342, 46.5425, 27.4560



47.8822, 46.5425, 21.2118



40.7207, 46.5425, 21.2397

# Triad

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



47.8822, 46.5425, 21.2118



32.1786, 46.5425, 61.7478



54.7890, 46.5425, 84.0885

# Complementary

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



47.8822, 46.5425, 21.2118



32.0128, 33.3838, 73.8634

# 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.



47.9506, 46.5425, 99.3675



47.8822, 46.5425, 21.2118



35.1762, 46.5425, 84.2792

# Square

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



47.8822, 46.5425, 21.2118



32.1646, 46.5425, 41.1767



40.7821, 46.5425, 99.4455



59.0060, 46.5425, 61.5362



# Rectangle

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



47.8822, 46.5425, 21.2118



36.7409, 46.5425, 24.6855



40.7821, 46.5425, 99.4455



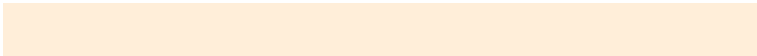
52.6896, 46.5425, 90.4860

# Sweetspot

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



47.8833, 46.5447, 21.2127



84.3843, 87.5617, 77.9288



42.0805, 29.2339, 36.8667



17.7689, 18.3914, 15.8570



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.



47.8833, 46.5447, 21.2127



61.2743, 57.6907, 19.8234



57.3729, 68.0280, 24.8593



14.3437, 14.9734, 14.4409



22.3532, 18.1442, 2.3240



1.6381, 1.4350, 0.1906

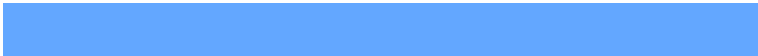


# Inverse Universe

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



32.0128, 33.3838, 73.8634



37.1546, 37.7175, 99.9297



25.9105, 20.1120, 71.6233



13.4429, 14.2249, 17.4248



10.4833, 8.4361, 42.1242



0.8146, 0.7606, 2.9491



# Previews

## White Background



This preview shows how the XYZ color 47.8822, 46.5425, 21.2118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

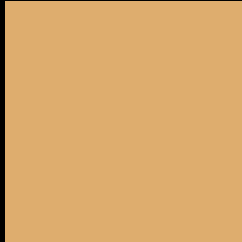
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.8822, 46.5425, 21.2118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

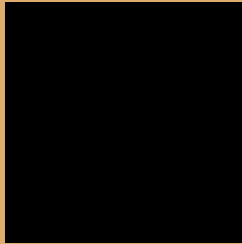
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.8822, 46.5425, 21.2118**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.8822, 46.5425, 21.2118.



This preview shows how white text looks on a background with the XYZ color 47.8822, 46.5425,



# 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

47.8822, 46.5425, 21.2118

### Protanopia

42.9973, 46.6539, 22.3617

### Deuteranopia

47.4657, 46.6135, 21.2474



## Tritanopia

53.3859, 46.5786, 47.7718

# Trichromacy



## Original Color

47.8822, 46.5425, 21.2118

## Protanomaly

44.7769, 46.6754, 21.9785

## Deuteranomaly

47.7693, 46.7700, 21.2617

## Tritanomaly

51.1164, 46.4739, 36.4132

# Monochromacy



## Original Color

47.8822, 46.5425, 21.2118

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

44.1442, 45.4129, 37.4493

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8822, 46.5425, 21.2118 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(222, 173, 110)` looks like.

```
.text, #text, p{  
    color:rgb(222, 173, 110)  
}
```

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(222, 173, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 173, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8822, 46.5425, 21.2118 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(222, 173, 110) }
```



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

```
.border{ border-color:rgb(222, 173, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 173, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 173, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 173, 110);  
box-shadow:4px 4px 4px 4px rgb(222, 173,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8822, 46.5425, 21.2118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 173, 110) }
```

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

```
.background{ background-color: rgb(222,  
173, 110) }
```

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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