

# Converting Colors

XYZ(47.3102, 46.3117, 31.2565)

Have a look what the booklet for XYZ(47.3102, 46.3117, 31.2565) contains.

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# **Color**

**XYZ(47.3102, 46.3117,  
31.2565)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5AE8C
RGB	213, 174, 140
RGB Percent	84%, 68%, 55%
CMY	0.1647, 0.3176, 0.4510
CMYK	0.00, 0.18, 0.34, 0.16
HSL	28°, 46%, 69%
HSV	28°, 34%, 84%
XYZ	47.3102, 46.3117, 31.2565
YIQ	181.7850, 34.1580, -2.3060

# Conversions

## Conversions Part 2

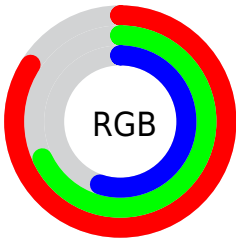
Format	Color
R <sub>Y</sub> B	213, 204, 140
Decimal	14003852
CIE Lab	73.75, 9.41, 22.80
CIE LCh	74, 24.669, 67.568
Yxy	46.3117, 0.3789, 0.3709
Android (android.graphics.Color)	4292193932 (0xFFD5AE8C)
YUV	181.7850, -20.6000, 27.3756
Hunter-Lab	68.0527, 5.0009, 20.4051

# Details

The XYZ color **47.3102, 46.3117, 31.2565** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.9450, 42.6182, 69.1242**, and the grayscale version is **44.4429, 46.7574, 50.9188**.

A 20% lighter version of the original color is **78.9969, 81.1937, 62.5473**, and **22.7096, 21.8254, 12.6886** is the 20% darker color. If you saturate the color by 10%, you get **43.7835, 41.5332, 23.0680**, and if you desaturate by 10%, it is **51.3295, 51.5886, 41.1101**.

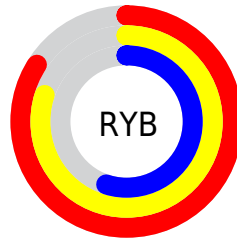
# Distribution



Red (84%)

Green (68%)

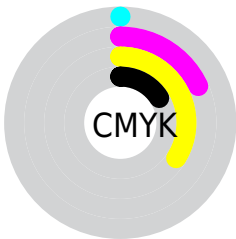
Blue (55%)



Red (84%)

Yellow (80%)

Blue (55%)

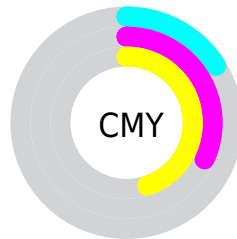


Cyan (0%)

Magenta (18%)

Yellow (34%)

Black (16%)



Cyan (16%)

Magenta (32%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3102, 46.3117, 31.2565 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 47.3102, 46.3117, 31.2565 by changing the saturation by 10% instead.





 47.3102, 46.3117,  
31.2565

 47.3102, 46.3117,  
31.2565


366.6796,  
372.0604, 322.1060

 33.4899, 32.4919,  
20.5341


 85.3924, 84.6853,  
62.7280

 22.6630, 21.7375,  
12.5960


 110.3850,  
110.0078, 84.3142

 14.4642, 13.6641,  
7.0235


 139.8325,  
139.9334, 110.3588

 8.5281, 7.8874,  
3.3981

174.1001,  
174.8464, 141.2802

 4.4893, 4.0230,  
1.3013

213.5533,  
215.1312, 177.4972

 1.9825, 1.6864,  
0.0629

258.5574,

 0.6241, 0.4149,

261.1722, 219.4281

0.0000

309.4777,  
313.3538, 267.4915

■ 0.0000, 0.0000,  
0.0000

■ 47.3102, 46.3117,  
31.2565

■ 47.3102, 46.3117,  
31.2565

■ 43.7835, 41.5332,  
23.0680

■ 51.3295, 51.5886,  
41.1101

■ 40.7238, 37.2303,  
16.4475

■ 55.8585, 57.3728,  
52.7126

■ 38.1079, 33.3879,  
11.2920

■ 60.9177, 63.6809,  
66.1458

■ 35.9091, 29.9874,  
7.4851

■ 66.5254, 70.5270,  
81.4852

■ 34.0969, 27.0082,  
4.8920

■ 72.6989, 77.9243,  
98.8021

■ 32.6351, 24.4272,  
3.3492

■ 77.3242, 85.0335,  
106.9454

■ 31.9232, 23.1114,  
2.7784

■ 80.8219, 92.0289,  
108.1113

■ 81.2505, 92.8861,  
108.2542

# Harmonies

## Analogous

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



51.0359, 46.3117, 37.1040



47.3102, 46.3117, 31.2565



42.9181, 46.3117, 30.0971

# Triad

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



47.3102, 46.3117, 31.2565



36.1866, 46.3117, 53.6690



49.3545, 46.3117, 72.0597

# Complementary

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



47.3102, 46.3117, 31.2565



38.9450, 42.6182, 69.1242

# 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.



45.1363, 46.3117, 78.3108



47.3102, 46.3117, 31.2565



37.6746, 46.3117, 66.6058

# Square

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



47.3102, 46.3117, 31.2565



36.6837, 46.3117, 41.7709



40.8820, 46.3117, 76.1650



52.2698, 46.3117, 60.2000



# Rectangle

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



47.3102, 46.3117, 31.2565



40.2344, 46.3117, 31.9251



40.8820, 46.3117, 76.1650



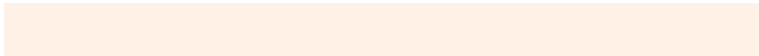
48.0314, 46.3117, 74.9691

# Sweetspot

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



47.3114, 46.3139, 31.2574



87.0202, 90.0800, 87.2960



45.0724, 36.2042, 47.8730



18.3987, 18.9965, 18.0847



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.



47.3114, 46.3139, 31.2574



67.2396, 64.3931, 37.9297



55.0607, 61.8124, 33.8405



12.8953, 13.3648, 13.0607



19.6003, 14.3179, 1.7306



1.2646, 1.0283, 0.1318

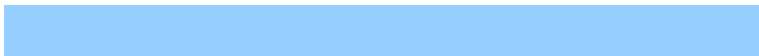


# Inverse Universe

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



38.9450, 42.6182, 69.1242



52.8539, 58.0333, 103.0236



32.7463, 30.2208, 67.0579



12.2864, 13.0962, 15.8178



11.1002, 10.4621, 39.8875



0.7520, 0.7960, 2.4333



# Previews

## White Background



This preview shows how the XYZ color 47.3102, 46.3117, 31.2565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

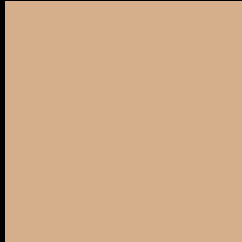
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3102, 46.3117, 31.2565 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

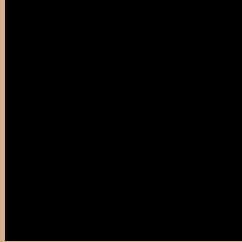
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.3102, 46.3117, 31.2565**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3102, 46.3117, 31.2565.



This preview shows how white text looks on a background with the XYZ color 47.3102, 46.3117,



# 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

47.3102, 46.3117, 31.2565

### Protanopia

43.4741, 46.3684, 32.6453

### Deuteranopia

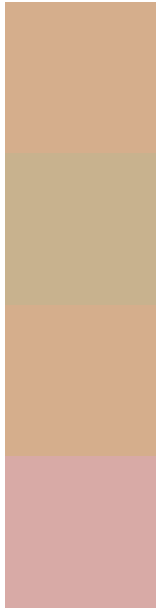
47.3102, 46.3117, 31.2565



## Tritanopia

50.9584, 46.0932, 49.9271

# Trichromacy



## Original Color

47.3102, 46.3117, 31.2565

## Protanomaly

44.6223, 46.0731, 32.1323

## Deuteranomaly

47.3102, 46.3117, 31.2565

## Tritanomaly

49.5766, 46.1016, 42.3619

# Monochromacy



## Original Color

47.3102, 46.3117, 31.2565

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

45.0875, 46.3677, 43.1327

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3102, 46.3117, 31.2565 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(213, 174, 140)` looks like.

```
.text, #text, p{  
    color:rgb(213, 174, 140)  
}
```

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(213, 174, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 174, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3102, 46.3117, 31.2565 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(213, 174, 140) }
```



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

```
.border{ border-color:rgb(213, 174, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 174, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 174, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 174, 140);  
box-shadow:4px 4px 4px 4px rgb(213, 174,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3102, 46.3117, 31.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 174, 140) }
```

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

```
.background{ background-color: rgb(213,  
174, 140) }
```

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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