

# Converting Colors

XYZ(50.0447, 47.8496, 34.1993)

Have a look what the booklet for  
XYZ(50.0447, 47.8496, 34.1993)  
contains.

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# Color

**XYZ(50.1116, 47.9822,  
34.2241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCAF93
RGB	220, 175, 147
RGB Percent	86%, 69%, 58%
CMY	0.1373, 0.3137, 0.4235
CMYK	0.00, 0.20, 0.33, 0.14
HSL	23°, 51%, 72%
HSV	23°, 33%, 86%
XYZ	50.1116, 47.9822, 34.2241
YIQ	185.2630, 35.8080, 0.8320

# Conversions

## Conversions Part 2

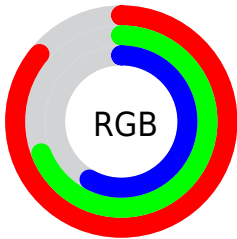
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 192, 147
Decimal	14462867
CIE Lab	74.81, 12.49, 20.59
CIE LCh	75, 24.083, 58.763
Yxy	47.9822, 0.3787, 0.3626
Android (android.graphics.Color)	4292652947 (0xFFDCAF93)
YUV	185.2630, -18.8637, 30.4643
Hunter-Lab	69.2692, 7.9117, 19.1948

# Details

The XYZ color **50.1116, 47.9822, 34.2241** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.7998, 49.0679, 74.8726**, and the grayscale version is **46.3494, 48.7631, 53.1031**.

A 20% lighter version of the original color is **80.3585, 82.6289, 66.9720**, and **24.5041, 22.9030, 14.1955** is the 20% darker color. If you saturate the color by 10%, you get **46.0398, 42.3421, 25.1488**, and if you desaturate by 10%, it is **54.7811, 54.2890, 45.1284**.

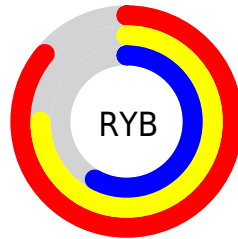
# Distribution



Red (86%)

Green (69%)

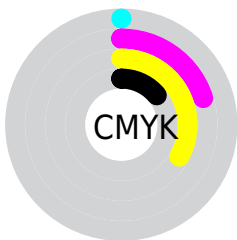
Blue (58%)



Red (86%)

Yellow (75%)

Blue (58%)

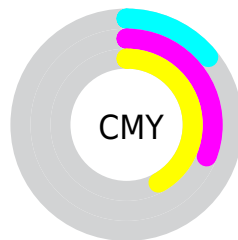


Cyan (0%)

Magenta (20%)

Yellow (33%)

Black (14%)



Cyan (14%)

Magenta (31%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1116, 47.9822, 34.2241 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 50.1116, 47.9822, 34.2241 by changing the saturation by 10% instead.




 50.1116, 47.9822,  
34.2241


 50.1116, 47.9822,  
34.2241

377.5470,  
378.7216, 335.9298

 35.7202, 33.8128,  
22.7871


 89.5310, 87.1779,  
67.4199

 24.3873, 22.7498,  
14.2325

 115.2898,  
112.9730, 90.0157

 15.7475, 14.4089,  
8.1420


145.5685,  
143.4121, 117.1682

 9.4353, 8.4056,  
4.0969

180.7323,  
178.8796, 149.2959

 5.0856, 4.3556,  
1.6786

221.1468,  
219.7599, 186.8174

 2.3328, 1.8744,  
0.3460

267.1771,

 0.8114, 0.5329,

266.4374, 230.1512

0.0000

319.1887,  
319.2965, 279.7158

0.0000, 0.0000,  
0.0000

50.1116, 47.9822,  
34.2241

50.1116, 47.9822,  
34.2241

46.0398, 42.3421,  
25.1488

54.7811, 54.2890,  
45.1284

42.5354, 37.3388,  
17.7976

60.0694, 61.2775,  
57.9528

39.5706, 32.9500,  
12.0593

66.0012, 68.9709,  
72.7859

37.1135, 29.1491,  
7.8081

72.5983, 77.3890,  
89.7096

35.1282, 25.9074,  
4.8996

79.5579, 86.4211,  
107.0955

■ 33.5726, 23.1925,  
3.1591

■ 83.3252, 93.9556,  
108.3513

■ 32.7165, 21.6183,  
2.4484

# Harmonies

## Analogous

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



53.3898, 47.9822, 41.4818



50.1116, 47.9822, 34.2241



45.7877, 47.9822, 31.6591

# Triad

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



50.1116, 47.9822, 34.2241



37.6971, 47.9822, 51.7256



49.7771, 47.9822, 76.3548

# Complementary

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



50.1116, 47.9822, 34.2241



43.7998, 49.0679, 74.8726

# 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.



45.4241, 47.9822, 80.2422



50.1116, 47.9822, 34.2241



38.6175, 47.9822, 64.7241

# Square

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



50.1116, 47.9822, 34.2241



38.7804, 47.9822, 40.7135



41.3782, 47.9822, 75.6863



53.1881, 47.9822, 65.7698



# Rectangle

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



50.1116, 47.9822, 34.2241



42.9514, 47.9822, 32.5813



41.3782, 47.9822, 75.6863



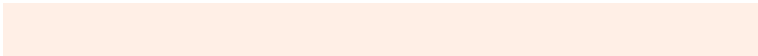
48.3671, 47.9822, 78.5563

# Sweetspot

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



50.1128, 47.9844, 34.2251



86.4021, 88.8437, 87.0900



49.4655, 39.8901, 54.9716



18.2495, 18.6981, 18.0349



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.



50.1128, 47.9844, 34.2251



65.8680, 61.3163, 38.5006



58.1963, 64.1514, 36.9196



13.4635, 13.8663, 13.6924



19.3010, 12.8875, 1.4703



1.3322, 0.9986, 0.1225

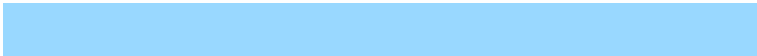


# Inverse Universe

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



43.7998, 49.0679, 74.8726



55.7094, 63.0374, 103.8390



36.7589, 34.9860, 72.5256



13.0036, 13.9469, 16.6588



12.8267, 13.5228, 41.6725



0.9134, 1.0409, 2.7272



# Previews

## White Background



This preview shows how the XYZ color 50.1116, 47.9822, 34.2241 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

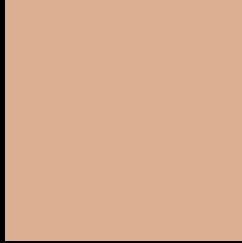
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.1116, 47.9822, 34.2241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

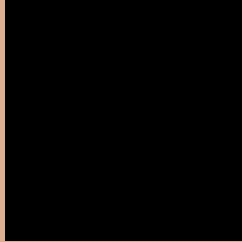
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 50.1116, 47.9822, 34.2241

## Background



This preview shows how black text looks on a background with the XYZ color 50.1116, 47.9822, 34.2241.



This preview shows how white text looks on a background with the XYZ color 50.1116, 47.9822,



# 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

50.1116, 47.9822, 34.2241

### Protanopia

45.2321, 48.1174, 36.1818

### Deuteranopia

49.0129, 47.9979, 34.2850



## Tritanopia

53.6624, 48.0156, 51.2394

# Trichromacy



## Original Color

50.1116, 47.9822, 34.2241

## Protanomaly

46.9307, 48.0871, 35.6624

## Deuteranomaly

49.4071, 47.9090, 34.2471

## Tritanomaly

52.4396, 48.0953, 44.5497

# Monochromacy



## Original Color

50.1116, 47.9822, 34.2241

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

47.1633, 47.9938, 45.3060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.1116, 47.9822, 34.2241 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(220, 175, 147)` looks like.

```
.text, #text, p{  
    color:rgb(220, 175, 147)  
}
```

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(220, 175, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 175, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 50.1116, 47.9822, 34.2241 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(220, 175, 147) }
```



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

```
.border{ border-color:rgb(220, 175, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 175, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 175, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 175, 147);  
box-shadow:4px 4px 4px 4px rgb(220, 175,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.1116, 47.9822, 34.2241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 175, 147) }
```

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

```
.background{ background-color: rgb(220,  
175, 147) }
```

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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