

# Converting Colors

XYZ(52.1774, 47.6735, 31.1305)

Have a look what the booklet for  
XYZ(52.1774, 47.6735, 31.1305)  
contains.

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# Color

**XYZ(52.0633, 47.6318,  
31.2608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7AA8C
RGB	231, 170, 140
RGB Percent	91%, 67%, 55%
CMY	0.0941, 0.3333, 0.4510
CMYK	0.00, 0.26, 0.39, 0.09
HSL	20°, 65%, 73%
HSV	20°, 39%, 91%
XYZ	52.0633, 47.6318, 31.2608
YIQ	184.8190, 45.9860, 3.6020

# Conversions

## Conversions Part 2

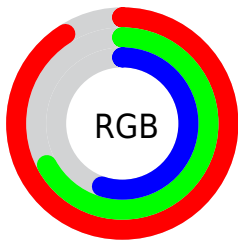
Format	Color
R <sub>Y</sub> B	231, 185, 140
Decimal	15182476
CIE Lab	74.59, 18.62, 24.25
CIE LCh	75, 30.577, 52.483
Yxy	47.6318, 0.3976, 0.3637
Android (android.graphics.Color)	4293372556 (0xFFE7AA8C)
YUV	184.8190, -22.0958, 40.5007
Hunter-Lab	69.0158, 13.8770, 21.4556

# Details

The XYZ color **52.0633, 47.6318, 31.2608** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.1248, 53.1162, 83.4226**, and the grayscale version is **46.1155, 48.5171, 52.8351**.

A 20% lighter version of the original color is **77.9028, 79.0055, 62.1826**, and **25.5575, 22.5793, 12.6841** is the 20% darker color. If you saturate the color by 10%, you get **47.8021, 41.5550, 22.3008**, and if you desaturate by 10%, it is **57.0264, 54.5399, 42.2197**.

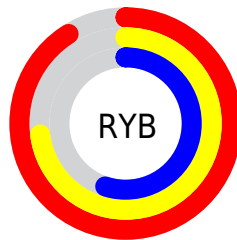
# Distribution



Red (91%)

Green (67%)

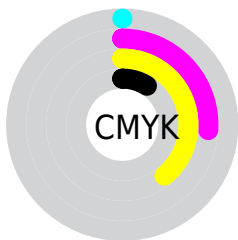
Blue (55%)



Red (91%)

Yellow (73%)

Blue (55%)

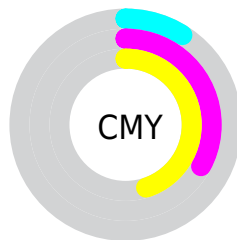


Cyan (0%)

Magenta (26%)

Yellow (39%)

Black (9%)



Cyan (9%)

Magenta (33%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0633, 47.6318, 31.2608 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 52.0633, 47.6318, 31.2608 by changing the saturation by 10% instead.





 52.0633, 47.6318,  
31.2608

 52.0633, 47.6318,  
31.2608


385.0009,  
377.3308, 322.1264


 37.2800, 33.5354,  
20.5374


 92.3983, 86.6559,  
62.7348

 25.5990, 22.5369,  
12.5983


 118.6806,  
112.3525, 84.3225

 16.6550, 14.2519,  
7.0251


 149.5268,  
142.6845, 110.3687

 10.0826, 8.2961,  
3.3991

185.3020,  
178.0364, 141.2920

 5.5165, 4.2850,  
1.3019

226.3716,  
218.7926, 177.5108

 2.5912, 1.8342,  
0.0633

273.1011,

 0.9415, 0.5084,

265.3375, 219.4438

0.0000

325.8557,  
318.0554, 267.5095

0.0000, 0.0000,  
0.0000

52.0633, 47.6318,  
31.2608

52.0633, 47.6318,  
31.2608

47.8021, 41.5550,  
22.3008

57.0264, 54.5399,  
42.2197

44.2047, 36.2701,  
15.2140

62.7196, 62.3032,  
55.2868

41.2348, 31.7443,  
9.8651

69.1738, 70.9530,  
70.5669

38.8505, 27.9395,  
6.0986

76.4170, 80.5170,  
88.1570

37.0035, 24.8137,  
3.7310

84.3951, 90.9892,  
107.7223

■ 35.6239, 22.3146,  
2.4698

■ 86.7649, 95.7289,  
108.5123

■ 35.5509, 22.1807,  
2.4076

# Harmonies

## Analogous

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



55.8278, 47.6318, 41.0653



52.0633, 47.6318, 31.2608



46.6782, 47.6318, 27.1473

# Triad

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



52.0633, 47.6318, 31.2608



35.5260, 47.6318, 47.9795



49.4627, 47.6318, 85.4047

# Complementary

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



52.0633, 47.6318, 31.2608



46.1248, 53.1162, 83.4226

# 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.



43.8955, 47.6318, 88.3002



52.0633, 47.6318, 31.2608



36.1394, 47.6318, 64.4046

# Square

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



52.0633, 47.6318, 31.2608



37.3500, 47.6318, 35.4371



39.0996, 47.6318, 79.9678



54.2431, 47.6318, 72.7117



# Rectangle

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



52.0633, 47.6318, 31.2608



43.0124, 47.6318, 27.4460



39.0996, 47.6318, 79.9678



47.6106, 47.6318, 87.6484

# Sweetspot

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



52.0645, 47.6341, 31.2617



84.3113, 85.7884, 82.9209



53.0157, 40.0185, 60.9213



17.8145, 18.0527, 17.1977



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.



52.0645, 47.6341, 31.2617



60.8891, 53.5442, 30.1029



61.8155, 67.1360, 34.5121



14.7632, 15.1403, 15.0487



20.0316, 12.6374, 1.3835



1.5628, 1.0990, 0.1298

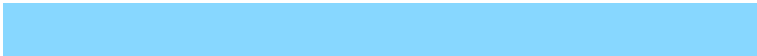


# Inverse Universe

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



46.1248, 53.1162, 83.4226



52.4893, 61.2303, 103.6599



37.2429, 35.3524, 80.4619



14.3860, 15.4935, 18.3766



14.7599, 16.5819, 44.8059



1.1748, 1.3936, 3.3390



# Previews

## White Background



This preview shows how the XYZ color 52.0633, 47.6318, 31.2608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

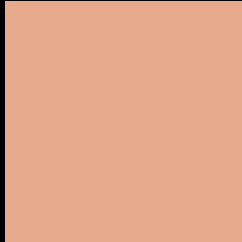
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.0633, 47.6318, 31.2608 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 52.0633, 47.6318, 31.2608**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0633, 47.6318, 31.2608.



This preview shows how white text looks on a background with the XYZ color 52.0633, 47.6318,



# 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

52.0633, 47.6318, 31.2608

### Protanopia

44.8345, 47.9584, 34.0880

### Deuteranopia

48.5044, 47.5137, 31.0407



## Tritanopia

55.6519, 47.7468, 47.8778

# Trichromacy



## Original Color

52.0633, 47.6318, 31.2608

## Protanomaly

47.1666, 47.6637, 33.0996

## Deuteranomaly

49.6150, 47.5083, 30.9811

## Tritanomaly

54.4512, 47.8102, 41.4804

# Monochromacy



## Original Color

52.0633, 47.6318, 31.2608

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

47.8398, 48.0636, 44.2919

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0633, 47.6318, 31.2608 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(231, 170, 140)` looks like.

```
.text, #text, p{  
    color:rgb(231, 170, 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(231, 170, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 170, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0633, 47.6318, 31.2608 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(231, 170, 140) }
```



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

```
.border{ border-color:rgb(231, 170, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 170, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 170, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 170, 140);  
box-shadow:4px 4px 4px 4px rgb(231, 170,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0633, 47.6318, 31.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 170, 140) }
```

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

```
.background{ background-color: rgb(231,  
170, 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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