

# Converting Colors

XYZ(43.2362, 38.4830, 19.8458)

Have a look what the booklet for  
XYZ(43.2362, 38.4830, 19.8458)  
contains.

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# Color

**XYZ(43.0945, 38.3191,  
19.8768)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB976E
RGB	219, 151, 110
RGB Percent	86%, 59%, 43%
CMY	0.1412, 0.4078, 0.5686
CMYK	0.00, 0.31, 0.50, 0.14
HSL	23°, 60%, 65%
HSV	23°, 50%, 86%
XYZ	43.0945, 38.3191, 19.8768
YIQ	166.6580, 53.6890, 1.6650

# Conversions

## Conversions Part 2

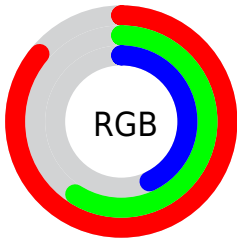
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 176, 110
Decimal	14391150
CIE Lab	68.26, 20.95, 31.81
CIE LCh	68, 38.090, 56.634
Yxy	38.3191, 0.4255, 0.3783
Android (android.graphics.Color)	4292581230 (0xFFDB976E)
YUV	166.6580, -27.9324, 45.9039
Hunter-Lab	61.9024, 15.9368, 24.2937

# Details

The XYZ color **43.0945, 38.3191, 19.8768** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.1361, 40.2683, 72.9383**, and the grayscale version is **36.6783, 38.5884, 42.0228**.

A 20% lighter version of the original color is **69.5929, 67.5313, 43.5493**, and **20.0974, 17.0283, 6.6424** is the 20% darker color. If you saturate the color by 10%, you get **39.9737, 33.7558, 13.6632**, and if you desaturate by 10%, it is **46.7666, 43.5137, 27.7285**.

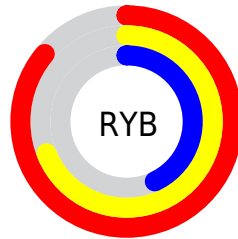
# Distribution



Red (86%)

Green (59%)

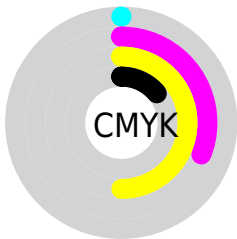
Blue (43%)



Red (86%)

Yellow (69%)

Blue (43%)

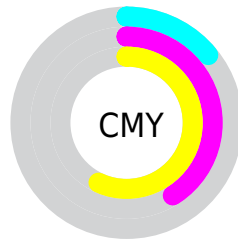


Cyan (0%)

Magenta (31%)

Yellow (50%)

Black (14%)



Cyan (14%)

Magenta (41%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0945, 38.3191, 19.8768 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 43.0945, 38.3191, 19.8768 by changing the saturation by 10% instead.





 43.0945, 38.3191,  
19.8768


 43.0945, 38.3191,  
19.8768

349.9152,  
338.9868, 263.8295


 30.1541, 26.2304,  
12.1223


 79.1083, 72.5970,  
44.0668


 20.1042, 16.9961,  
6.7035


 102.9124, 95.5550,  
61.3394

 12.5795, 10.2317,  
3.2017


 131.0684,  
122.9049, 82.6218

 7.2147, 5.5529,  
1.1985

 163.9417,  
155.0311, 108.3325

 3.6442, 2.5752,  
0.0000

201.8977,  
192.3180, 138.8901

 1.5029, 0.9142,  
0.0000

245.3017,

 0.3278, 0.0000,

235.1500, 174.7131

0.0000

294.5191,  
283.9115, 216.2201

■ 0.0000, 0.0000,  
0.0000

■ 43.0945, 38.3191,  
19.8768

■ 43.0945, 38.3191,  
19.8768

■ 39.9737, 33.7558,  
13.6632

■ 46.7666, 43.5137,  
27.7285

■ 37.3707, 29.7918,  
8.9662

■ 51.0154, 49.3582,  
37.3234

■ 35.2519, 26.4008,  
5.6506

■ 55.8677, 55.8776,  
48.7604

■ 33.5779, 23.5512,  
3.5556

■ 61.3478, 63.0937,  
62.1301

■ 32.2864, 21.2017,  
2.4051

■ 67.4787, 71.0272,  
77.5174

■ 32.2599, 21.1531,  
2.3827

■ 74.2820, 79.6979,  
95.0017

■ 80.4126, 88.5786,  
107.4669

■ 83.0233, 93.8000,  
108.3372

# Harmonies

## Analogous

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



47.6554, 38.3191, 28.6717



43.0945, 38.3191, 19.8768



37.0982, 38.3191, 16.7871

# Triad

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



43.0945, 38.3191, 19.8768



26.1370, 38.3191, 39.8255



41.8038, 38.3191, 78.4742

# Complementary

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



43.0945, 38.3191, 19.8768



35.1361, 40.2683, 72.9383

# 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.



35.7524, 38.3191, 83.8110



43.0945, 38.3191, 19.8768



27.1077, 38.3191, 58.2332

# Square

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



43.0945, 38.3191, 19.8768



27.6640, 38.3191, 26.1503



30.4750, 38.3191, 75.5744



46.8550, 38.3191, 62.5019



# Rectangle

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



43.0945, 38.3191, 19.8768



33.2382, 38.3191, 17.5151



30.4750, 38.3191, 75.5744



39.8011, 38.3191, 81.7320

# Sweetspot

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



43.0954, 38.3210, 19.8775



82.3469, 83.4867, 77.2497



42.9295, 29.4682, 46.0910



17.2794, 17.4125, 15.6939



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.



43.0954, 38.3210, 19.8775



56.1326, 47.2079, 18.7239



53.7318, 59.5937, 23.4230



13.4554, 13.8502, 13.6897



19.2258, 12.7372, 1.4452



1.3268, 0.9878, 0.1207



# Inverse Universe

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



35.1361, 40.2683, 72.9383



43.5963, 50.1784, 101.9954



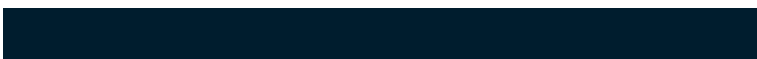
26.4915, 22.9792, 70.0568



13.0119, 13.9636, 16.6616



12.9619, 13.7932, 41.7176



0.9216, 1.0573, 2.7300



# Previews

## White Background



This preview shows how the XYZ color 43.0945, 38.3191, 19.8768 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

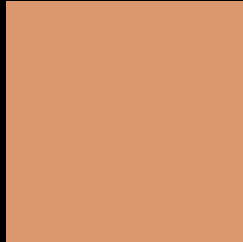
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.0945, 38.3191, 19.8768 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

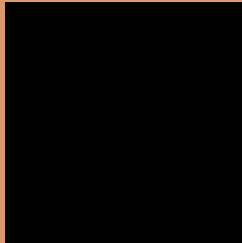
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.0945, 38.3191, 19.8768**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0945, 38.3191, 19.8768.



This preview shows how white text looks on a background with the XYZ color 43.0945, 38.3191,



# 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

43.0945, 38.3191, 19.8768

### Protanopia

35.7935, 38.6017, 22.0873

### Deuteranopia

39.1923, 38.2965, 19.5137



## Tritanopia

46.5576, 38.3391, 36.3988

# Trichromacy



## Original Color

43.0945, 38.3191, 19.8768

## Protanomaly

38.0303, 38.1740, 21.2835

## Deuteranomaly

40.6612, 38.2910, 19.7158

## Tritanomaly

45.2181, 38.2611, 29.4280

# Monochromacy



## Original Color

43.0945, 38.3191, 19.8768

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

38.1829, 38.0042, 32.5172

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0945, 38.3191, 19.8768 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(219, 151, 110)` looks like.

```
.text, #text, p{  
    color:rgb(219, 151, 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(219, 151, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 151, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0945, 38.3191, 19.8768 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(219, 151, 110) }
```



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

```
.border{ border-color:rgb(219, 151, 110) }
```

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

Here you see how a box with a 4 pixel rgb(219, 151, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 151, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 151, 110);  
box-shadow:4px 4px 4px 4px rgb(219, 151,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0945, 38.3191, 19.8768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 151, 110) }
```

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

```
.background{ background-color: rgb(219,  
151, 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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