

# Converting Colors

XYZ(38.5712, 29.9384, 16.3161)

Have a look what the booklet for  
XYZ(38.5712, 29.9384, 16.3161)  
contains.

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# Color

**XYZ(38.5712, 29.9384,  
16.3161)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB7A66
RGB	219, 122, 102
RGB Percent	86%, 48%, 40%
CMY	0.1412, 0.5215, 0.6000
CMYK	0.00, 0.44, 0.53, 0.14
HSL	10°, 62%, 63%
HSV	10°, 53%, 86%
XYZ	38.5712, 29.9384, 16.3161
YIQ	148.7230, 64.2320, 14.3440

# Conversions

## Conversions Part 2

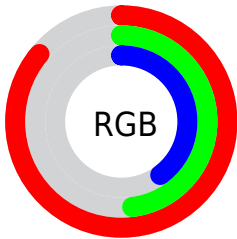
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 126, 102
Decimal	14383718
CIE Lab	61.60, 35.69, 27.56
CIE LCh	62, 45.096, 37.679
Yxy	29.9384, 0.4547, 0.3529
Android (android.graphics.Color)	4292573798 (0xFFDB7A66)
YUV	148.7230, -23.0344, 61.6329
Hunter-Lab	54.7160, 30.0778, 20.6211

# Details

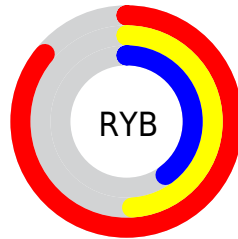
The XYZ color **38.5712, 29.9384, 16.3161** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.6879, 48.7835, 74.3947**, and the grayscale version is **28.5262, 30.0118, 32.6828**.

A 20% lighter version of the original color is **62.5151, 54.6106, 37.3830**, and **17.4400, 12.2559, 5.0609** is the 20% darker color. If you saturate the color by 10%, you get **35.6003, 25.5113, 10.6568**, and if you desaturate by 10%, it is **42.2469, 35.3162, 23.6260**.

# Distribution



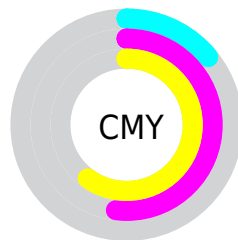
- Red (86%)
- Green (48%)
- Blue (40%)



- Red (86%)
- Yellow (49%)
- Blue (40%)



- Cyan (0%)
- Magenta (44%)
- Yellow (53%)
- Black (14%)




- Cyan (14%)
- Magenta (52%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5712, 29.9384, 16.3161 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 38.5712, 29.9384, 16.3161 by changing the saturation by 10% instead.





 38.5712, 29.9384,  
16.3161


 38.5712, 29.9384,  
16.3161

331.3026,  
301.6172, 243.1089


 26.6055, 19.7918,  
9.5913


 72.2811, 59.5647,  
37.9205


 17.4122, 12.2438,  
5.0268


 94.7560, 79.8133,  
53.6372

 10.6260, 6.9100,  
2.2040


 121.4647,  
104.1980, 73.1883

 5.8813, 3.4058,  
0.6767

 152.7726,  
133.1032, 96.9924

 2.8130, 1.3471,  
0.0000

189.0449,  
166.9134, 125.4679

 1.0557, 0.1772,  
0.0000

230.6471,

 0.0000, 0.0000,

206.0128, 159.0335

0.0000

277.9446,  
250.7860, 198.1076

■ 38.5712, 29.9384,  
16.3161

■ 38.5712, 29.9384,  
16.3161

■ 35.6003, 25.5113,  
10.6568

■ 42.2469, 35.3162,  
23.6260

■ 33.2857, 21.9746,  
6.5170

■ 46.6671, 41.6911,  
32.7006

■ 31.5758, 19.2681,  
3.7482

■ 51.8715, 49.1122,  
43.6455

■ 30.4098, 17.3218,  
2.1705

■ 57.8958, 57.6238,  
56.5578

■ 29.8888, 16.4111,  
1.5923

■ 64.7738, 67.2677,  
71.5277

■ 72.5373, 78.0835,  
88.6398

■ 81.1680, 90.0893,  
107.7187

■ 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.



41.4536, 29.9384, 28.3889



38.5712, 29.9384, 16.3161



33.0544, 29.9384, 10.6250

# Triad

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



38.5712, 29.9384, 16.3161



19.0813, 29.9384, 21.6131



30.0213, 29.9384, 77.3909

# Complementary

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



38.5712, 29.9384, 16.3161



38.6879, 48.7835, 74.3947

# 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.



24.3043, 29.9384, 73.5855



38.5712, 29.9384, 16.3161



18.5055, 29.9384, 37.2035

# Square

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



38.5712, 29.9384, 16.3161



21.9844, 29.9384, 12.8505



20.2839, 29.9384, 57.1811



36.0861, 29.9384, 66.2637



# Rectangle

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



38.5712, 29.9384, 16.3161



28.9243, 29.9384, 9.5096



20.2839, 29.9384, 57.1811



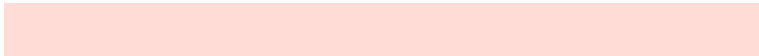
27.9919, 29.9384, 77.8697

# Sweetspot

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



38.5719, 29.9399, 16.3166



79.3062, 77.9313, 74.6147



44.3317, 28.7097, 57.5426



16.5904, 16.1379, 15.1450



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.



38.5719, 29.9399, 16.3166



49.8441, 35.3913, 14.2836



47.9329, 48.6619, 19.4370



13.2351, 13.4095, 13.6163



17.7776, 9.8408, 0.9625



1.2074, 0.7489, 0.0809



# Inverse Universe

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



38.6879, 48.7835, 74.3947



49.9387, 64.4751, 104.4206



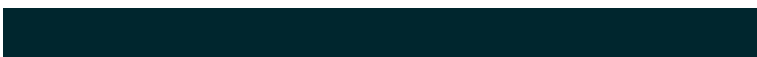
27.7907, 26.9892, 70.7623



13.2456, 14.4309, 16.7395



17.5172, 22.9037, 43.2360



1.1859, 1.5860, 2.8181



# Previews

## White Background



This preview shows how the XYZ color 38.5712, 29.9384, 16.3161 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5712, 29.9384, 16.3161 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

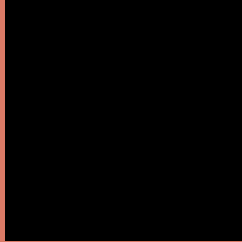
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.5712, 29.9384, 16.3161**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.5712, 29.9384, 16.3161.



This preview shows how white text looks on a background with the XYZ color 38.5712, 29.9384,



# 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

38.5712, 29.9384, 16.3161

### Protanopia

28.2819, 30.1834, 20.2549

### Deuteranopia

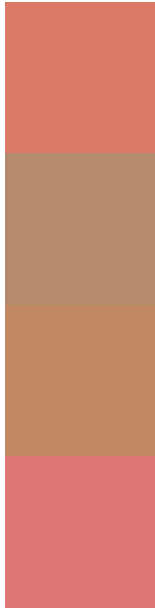
30.6175, 30.1105, 15.7535



## Tritanopia

40.1280, 29.8613, 23.7275

# Trichromacy



## Original Color

38.5712, 29.9384, 16.3161

## Protanomaly

31.1031, 29.4148, 18.7902

## Deuteranomaly

33.1642, 29.6981, 15.7887

## Tritanomaly

39.3820, 29.7173, 20.7999

# Monochromacy



## Original Color

38.5712, 29.9384, 16.3161

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

30.8530, 29.1299, 25.8263

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.5712, 29.9384, 16.3161 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, 122, 102)` looks like.

```
.text, #text, p{  
    color:rgb(219, 122, 102)  
}
```

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, 122, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 122, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 38.5712, 29.9384, 16.3161 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, 122, 102) }
```



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

```
.border{ border-color:rgb(219, 122, 102) }
```

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

Here you see how a box with a 4 pixel rgb(219, 122, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 122, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 122, 102);  
box-shadow:4px 4px 4px 4px rgb(219, 122,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.5712, 29.9384, 16.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 122, 102) }
```

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

```
.background{ background-color: rgb(219,  
122, 102) }
```

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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