

Converting Colors

XYZ(38.7506, 29.8846, 18.2749)

Have a look what the booklet for
XYZ(38.7506, 29.8846, 18.2749)
contains.

XYZ(38.8111, 29.8389, 18.1819)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.8111, 29.8389,
18.1819)**

Conversions

Conversions Part 1

Format	Color
Hex	DB796D
RGB	219, 121, 109
RGB Percent	86%, 47%, 43%
CMY	0.1412, 0.5255, 0.5725
CMYK	0.00, 0.45, 0.50, 0.14
HSL	7°, 60%, 64%
HSV	7°, 50%, 86%
XYZ	38.8111, 29.8389, 18.1819
YIQ	148.9340, 62.2600, 17.0440

Conversions

Conversions Part 2

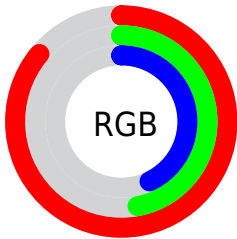
Format	Color
R_{YB}	219, 122, 109
Decimal	14383469
CIE _{Lab}	61.51, 36.83, 23.51
CIE _{LCh}	62, 43.694, 32.555
Yxy	29.8389, 0.4470, 0.3436
Android (android.graphics.Color)	4292573549 (0xFFDB796D)
YUV	148.9340, -19.6875, 61.4479
Hunter-Lab	54.6250, 31.2306, 18.5029

Details

The XYZ color **38.8111, 29.8389, 18.1819** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **41.4044, 52.9887, 75.0633**, and the grayscale version is **28.6019, 30.0914, 32.7696**.

A 20% lighter version of the original color is **63.0030, 54.4932, 40.9158**, and **17.5297, 12.1908, 5.8440** is the 20% darker color. If you saturate the color by 10%, you get **35.6398, 25.1539, 12.0152**, and if you desaturate by 10%, it is **42.7570, 35.6034, 26.0562**.

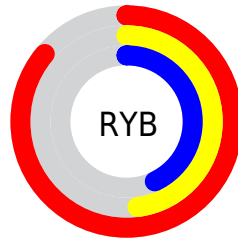
Distribution



Red (86%)

Green (47%)

Blue (43%)



Red (86%)

Yellow (48%)

Blue (43%)

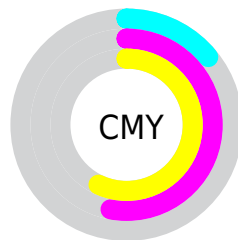


Cyan (0%)

Magenta (45%)

Yellow (50%)

Black (14%)



Cyan (14%)


Magenta (53%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8111, 29.8389, 18.1819 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 38.8111, 29.8389, 18.1819 by changing the saturation by 10% instead.


 38.8111, 29.8389,
18.1819


 38.8111, 29.8389,
18.1819


332.3077,
301.1528, 254.1648


 26.7929, 19.7163,
10.9099

 72.6456, 59.4073,
41.1652


 17.5535, 12.1890,
5.8929


 95.1925, 79.6220,
57.7135

 10.7276, 6.8725,
2.7123


 121.9798,
103.9694, 78.1909

 5.9499, 3.3825,
0.9496

 153.3727,
132.8341, 103.0161

 2.8550, 1.3345,
0.0000

189.7365,
166.6004, 132.6076

 1.0776, 0.1677,
0.0000

231.4368,

 0.0062, 0.0000,

205.6527, 167.3838

0.0000

278.8387,
250.3753, 207.7634

■ 0.0000, 0.0000,
0.0000

■ 38.8111, 29.8389,
18.1819

■ 38.8111, 29.8389,
18.1819

■ 35.6398, 25.1539,
12.0152

■ 42.7570, 35.6034,
26.0562

■ 33.1896, 21.4766,
7.4277

■ 47.5220, 42.5039,
35.7503

■ 31.4036, 18.7340,
4.2754

■ 53.1495, 50.5988,
47.3689

■ 30.2151, 16.8410,
2.3873

■ 59.6796, 59.9408,
61.0081

■ 29.5380, 15.7092,
1.4754

■ 67.1496, 70.5796,
76.7579

■ 75.5947, 82.5622,
94.7025

■ 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.



40.9920, 29.8389, 31.0895



38.8111, 29.8389, 18.1819



33.8045, 29.8389, 11.6214

Triad

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



38.8111, 29.8389, 18.1819



19.5882, 29.8389, 19.9045



28.8599, 29.8389, 75.8532

Complementary

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



38.8111, 29.8389, 18.1819



41.4044, 52.9887, 75.0633

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.



23.5356, 29.8389, 69.7677



38.8111, 29.8389, 18.1819



18.6343, 29.8389, 33.9309

Square

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



38.8111, 29.8389, 18.1819



22.7851, 29.8389, 12.3521



19.9784, 29.8389, 52.8305



34.7796, 29.8389, 67.4298

Rectangle

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



38.8111, 29.8389, 18.1819



29.8273, 29.8389, 10.0285



19.9784, 29.8389, 52.8305



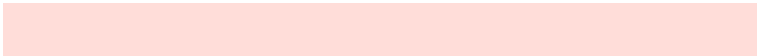
26.9435, 29.8389, 75.4369

Sweetspot

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



38.8118, 29.8404, 18.1824



79.5684, 77.9298, 76.3235



46.0672, 30.5516, 63.1435



16.6172, 16.0880, 15.4731



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.



38.8118, 29.8404, 18.1824



50.1993, 35.3413, 16.7461



47.3037, 46.8242, 21.0131



13.1699, 13.2791, 13.5946



17.5538, 9.3931, 0.8879



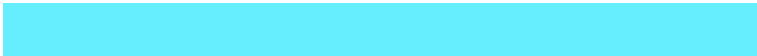
1.1766, 0.6873, 0.0706

Inverse Universe

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



41.4044, 52.9887, 75.0633



54.1919, 71.3696, 105.5272



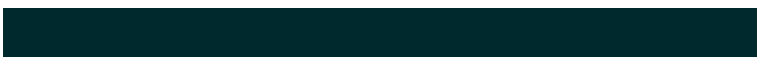
30.4843, 31.1484, 71.4232



13.3172, 14.5741, 16.7633



19.2158, 26.3010, 43.8022



1.2803, 1.7748, 2.8495

Previews

White Background



This preview shows how the XYZ color 38.8111, 29.8389, 18.1819 looks on a white background.

Color Contrast Check

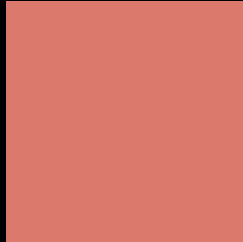
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8111, 29.8389, 18.1819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

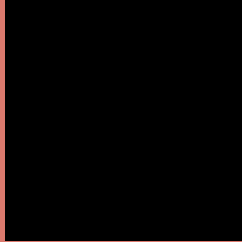
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.8111, 29.8389, 18.1819

Background



This preview shows how black text looks on a background with the XYZ color 38.8111, 29.8389, 18.1819.



This preview shows how white text looks on a background with the XYZ color 38.8111, 29.8389,

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

38.8111, 29.8389, 18.1819

Protanopia

28.3608, 30.1691, 22.7408

Deuteranopia

30.5037, 30.0120, 17.5498



Tritanopia

39.8244, 29.7048, 23.7133

Trichromacy



Original Color

38.8111, 29.8389, 18.1819

Protanomaly

31.2659, 29.4529, 20.8667

Deuteranomaly

33.0037, 29.5750, 17.6047

Tritanomaly

39.5022, 29.7654, 21.4326

Monochromacy



Original Color

38.8111, 29.8389, 18.1819

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.9913, 29.1851, 26.5541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8111, 29.8389, 18.1819 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, 121, 109)` looks like.

```
.text, #text, p{  
    color:rgb(219, 121, 109)  
}
```

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, 121, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 121, 109) }
```

Border

The CSS property to change the border of an element to XYZ 38.8111, 29.8389, 18.1819 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, 121, 109) }
```


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

```
.border{ border-color:rgb(219, 121, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 121, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 121, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 121, 109);  
box-shadow:4px 4px 4px 4px rgb(219, 121,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8111, 29.8389, 18.1819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 121, 109) }
```

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

```
.background{ background-color: rgb(219,  
121, 109) }
```

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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