

Converting Colors

XYZ(38.5798, 30.4025, 13.0730)

Have a look what the booklet for
XYZ(38.5798, 30.4025, 13.0730)
contains.

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Color

**XYZ(38.4843, 30.3355,
13.0595)**

Conversions

Conversions Part 1

Format	Color
Hex	DC7C58
RGB	220, 124, 88
RGB Percent	86%, 49%, 35%
CMY	0.1373, 0.5137, 0.6549
CMYK	0.00, 0.44, 0.60, 0.14
HSL	16°, 65%, 60%
HSV	16°, 60%, 86%
XYZ	38.4843, 30.3355, 13.0595
YIQ	148.6000, 68.7720, 9.1560

Conversions

Conversions Part 2

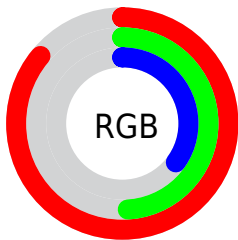
Format	Color
RYB	220, 138, 88
Decimal	14449752
CIELab	61.94, 33.94, 35.75
CIELCh	62, 49.297, 46.488
Yxy	30.3355, 0.4700, 0.3705
Android (android.graphics.Color)	4292639832 (0xFFDC7C58)
YUV	148.6000, -29.8758, 62.6178
Hunter-Lab	55.0777, 28.3370, 24.4961

Details

The XYZ color **38.4843, 30.3355, 13.0595** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **34.0822, 41.5207, 73.9278**, and the grayscale version is **28.5010, 29.9853, 32.6540**.

A 20% lighter version of the original color is **61.8206, 54.9649, 31.7771**, and **17.2800, 12.3988, 3.5803** is the 20% darker color. If you saturate the color by 10%, you get **35.8618, 26.3356, 8.3476**, and if you desaturate by 10%, it is **41.7085, 35.0991, 19.3287**.

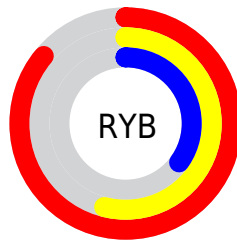
Distribution



Red (86%)

Green (49%)

Blue (35%)



Red (86%)

Yellow (54%)

Blue (35%)

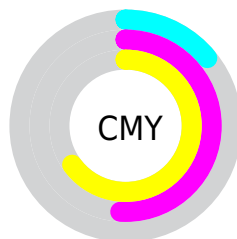


Cyan (0%)

Magenta (44%)

Yellow (60%)

Black (14%)



Cyan (14%)


Magenta (51%)


Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4843, 30.3355, 13.0595 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 38.4843, 30.3355, 13.0595 by changing the saturation by 10% instead.


 38.4843, 30.3355,
13.0595

 38.4843, 30.3355,
13.0595


330.9380,
303.4652, 222.5198


 26.5377, 20.0934,
7.3383

 72.1490, 60.1923,
32.1034


 17.3611, 12.4629,
3.5929


 94.5977, 80.5759,
46.2632


 10.5892, 7.0598,
1.4048


 121.2780,
105.1086, 64.0729

 5.8566, 3.4995,
0.1455

 152.5550,
134.1751, 85.9512

 2.7979, 1.3977,
0.0000

 188.7941,
168.1595, 112.3164

 1.0478, 0.2151,
0.0000

230.3608,

 0.0000, 0.0000,

207.4465, 143.5873

0.0000

277.6203,
252.4202, 180.1822

■ 38.4843, 30.3355,
13.0595

■ 38.4843, 30.3355,
13.0595

■ 35.8618, 26.3356,
8.3476

■ 41.7085, 35.0991,
19.3287

■ 33.7976, 23.0532,
5.0514

■ 45.5692, 40.6600,
27.2766

■ 32.2450, 20.4437,
3.0057

■ 50.1011, 47.0551,
37.0143

■ 31.1315, 18.4484,
1.9201

■ 55.3354, 54.3177,
48.6427

■ 31.1314, 18.4483,
1.9201

■ 61.3015, 62.4793,
62.2555

■ 68.0268, 71.5697,
77.9398

■ 75.5376, 81.6171,
95.7776

■ 82.3751, 92.0556,
108.0346

■ 83.3251, 93.9556,
108.3513

Harmonies

Analogous

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



42.7961, 30.3355, 23.7503



38.4843, 30.3355, 13.0595



31.9013, 30.3355, 8.7940

Triad

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



38.4843, 30.3355, 13.0595



18.1689, 30.3355, 25.2443



32.5874, 30.3355, 81.5832

Complementary

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



38.4843, 30.3355, 13.0595



34.0822, 41.5207, 73.9278

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.



25.9680, 30.3355, 82.4794



38.4843, 30.3355, 13.0595



18.2946, 30.3355, 44.4584

Square

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



38.4843, 30.3355, 13.0595



20.5729, 30.3355, 13.7920



20.9474, 30.3355, 67.0277



39.0522, 30.3355, 64.9105

Rectangle

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



38.4843, 30.3355, 13.0595



27.4224, 30.3355, 8.4779



20.9474, 30.3355, 67.0277



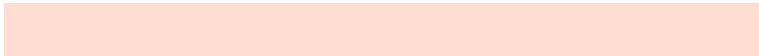
30.2911, 30.3355, 83.9109

Sweetspot

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



38.4850, 30.3371, 13.0601



78.7815, 77.9094, 71.2723



41.7407, 25.6896, 48.5469



16.3690, 15.9965, 14.1424



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.



38.4850, 30.3371, 13.0601



49.2861, 35.5119, 10.2856



49.5172, 52.4015, 16.7374



13.3436, 13.6266, 13.6525



18.3507, 10.9869, 1.1535



1.2601, 0.8543, 0.0985

Inverse Universe

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



34.0822, 41.5207, 73.9278



42.4900, 52.1989, 102.4437



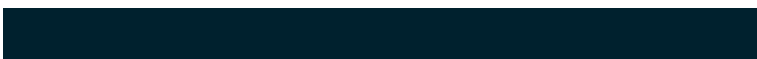
23.5160, 20.3884, 70.4058



13.1289, 14.1976, 16.7006



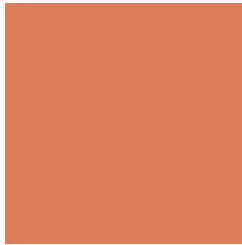
15.0555, 17.9804, 42.4155



1.0456, 1.3054, 2.7713

Previews

White Background



This preview shows how the XYZ color 38.4843, 30.3355, 13.0595 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 38.4843, 30.3355, 13.0595 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 38.4843, 30.3355, 13.0595

Background



This preview shows how black text looks on a background with the XYZ color 38.4843, 30.3355, 13.0595.



This preview shows how white text looks on a background with the XYZ color 38.4843, 30.3355,

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

38.4843, 30.3355, 13.0595

Protanopia

28.2152, 30.4811, 15.9516

Deuteranopia

30.9511, 30.3523, 12.6148



Tritanopia

40.8590, 30.4139, 23.7956

Trichromacy



Original Color

38.4843, 30.3355, 13.0595

Protanomaly

31.3124, 30.0483, 14.7392

Deuteranomaly

33.2088, 30.0000, 12.6346

Tritanomaly

39.9422, 30.3966, 19.3847

Monochromacy



Original Color

38.4843, 30.3355, 13.0595

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.8880, 29.4024, 24.1259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4843, 30.3355, 13.0595 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, 124, 88)` looks like.

```
.text, #text, p{  
    color:rgb(220, 124, 88)  
}
```

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, 124, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 124, 88) }
```

Border

The CSS property to change the border of an element to XYZ 38.4843, 30.3355, 13.0595 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, 124, 88) }
```


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

```
.border{ border-color:rgb(220, 124, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 124, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 124, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 124, 88);  
box-shadow:4px 4px 4px 4px rgb(220, 124,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4843, 30.3355, 13.0595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 124, 88) }
```

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

```
.background{ background-color: rgb(220,  
124, 88) }
```

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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