

Converting Colors

XYZ(38.3224, 32.8597, 12.6010)

Have a look what the booklet for
XYZ(38.3224, 32.8597, 12.6010)
contains.

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Color

**XYZ(38.2385, 32.8120,
12.5016)**

Conversions

Conversions Part 1

Format	Color
Hex	D68953
RGB	214, 137, 83
RGB Percent	84%, 54%, 33%
CMY	0.1608, 0.4627, 0.6745
CMYK	0.00, 0.36, 0.61, 0.16
HSL	25°, 62%, 58%
HSV	25°, 61%, 84%
XYZ	38.2385, 32.8120, 12.5016
YIQ	153.8670, 63.2260, -0.4700

Conversions

Conversions Part 2

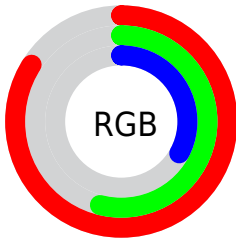
Format	Color
RYB	214, 175, 83
Decimal	14059859
CIELab	64.01, 24.25, 40.74
CIElCh	64, 47.408, 59.239
Yxy	32.8120, 0.4577, 0.3927
Android (android.graphics.Color)	4292249939 (0xFFD68953)
YUV	153.8670, -34.9374, 52.7366
Hunter-Lab	57.2818, 18.9148, 27.1573

Details

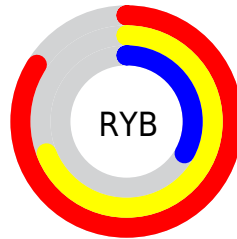
The XYZ color **38.2385, 32.8120, 12.5016** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **28.2749, 31.8339, 68.2721**, and the grayscale version is **30.7866, 32.3899, 35.2726**.

A 20% lighter version of the original color is **64.1739, 60.2428, 30.8000**, and **17.2291, 13.9063, 3.3662** is the 20% darker color. If you saturate the color by 10%, you get **35.8514, 29.1624, 8.2397**, and if you desaturate by 10%, it is **41.0905, 36.9838, 18.1768**.

Distribution



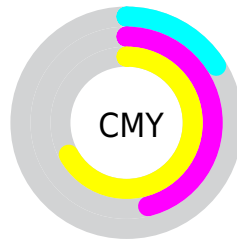
- Red (84%)
- Green (54%)
- Blue (33%)



- Red (84%)
- Yellow (69%)
- Blue (33%)



- Cyan (0%)
- Magenta (36%)
- Yellow (61%)
- Black (16%)





- Cyan (16%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2385, 32.8120, 12.5016 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 38.2385, 32.8120, 12.5016 by changing the saturation by 10% instead.


 38.2385, 32.8120,
12.5016


 38.2385, 32.8120,
12.5016


329.9052,
314.8017, 218.7928

 26.3459, 21.9825,
6.9596


 71.7751, 64.0819,
31.0834


 17.2166, 13.8440,
3.3588


 94.1498, 85.2911,
44.9602


 10.4853, 8.0123,
1.2806


 120.7493,
110.7289, 62.4524

 5.7866, 4.1028,
0.0458

 151.9388,
140.7798, 83.9785

 2.7552, 1.7312,
0.0000

 188.0838,
175.8281, 109.9571

 1.0257, 0.4438,
0.0000

229.5496,

 0.0000, 0.0000,

216.2583, 140.8066

0.0000

276.7016,
262.4547, 176.9457

■ 38.2385, 32.8120,
12.5016

■ 38.2385, 32.8120,
12.5016

■ 35.8514, 29.1624,
8.2397

■ 41.0905, 36.9838,
18.1768

■ 33.8955, 26.0060,
5.2587

■ 44.4332, 41.6949,
25.3777

■ 32.3350, 23.3179,
3.4038

■ 48.2929, 46.9675,
34.2071

■ 31.2393, 21.3120,
2.4671

■ 52.6930, 52.8209,
44.7585

■ 57.6556, 59.2736,
57.1182

■ 63.2013, 66.3428,
71.3665

■ 69.3497, 74.0453,
87.5791

■ 76.1192, 82.3972,
105.8273

■ 80.0308, 90.0150,
107.7643

Harmonies

Analogous

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



43.8100, 32.8120, 20.5859



38.2385, 32.8120, 12.5016



31.3580, 32.8120, 10.1021

Triad

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



38.2385, 32.8120, 12.5016



20.0130, 32.8120, 35.2395



37.9004, 32.8120, 78.4713

Complementary

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



38.2385, 32.8120, 12.5016



28.2749, 31.8339, 68.2721

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.



31.0162, 32.8120, 86.6654



38.2385, 32.8120, 12.5016



21.2562, 32.8120, 56.9080

Square

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



38.2385, 32.8120, 12.5016



21.3888, 32.8120, 20.0045



25.0602, 32.8120, 77.6472



43.5960, 32.8120, 58.0721

Rectangle

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



38.2385, 32.8120, 12.5016



27.1379, 32.8120, 11.0129



25.0602, 32.8120, 77.6472



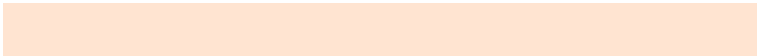
35.6197, 32.8120, 83.0101

Sweetspot

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



38.2393, 32.8137, 12.5022



80.5106, 81.3676, 71.8487



37.3108, 23.0773, 36.4843



16.7867, 16.8319, 14.2816



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.



38.2393, 32.8137, 12.5022



52.5255, 42.1198, 10.9674



50.1560, 56.6470, 16.4744



12.8396, 13.2533, 13.0421



18.9793, 13.0759, 1.5236



1.2252, 0.9496, 0.1187

Inverse Universe

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



28.2749, 31.8339, 68.2721



36.4655, 40.4236, 100.4883



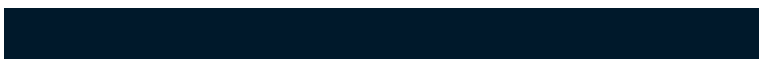
19.8971, 15.0784, 65.4795



12.3431, 13.2095, 15.8367



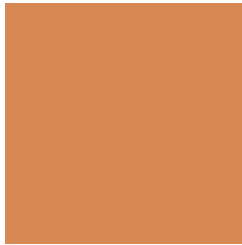
11.9336, 12.1289, 40.1653



0.8004, 0.8929, 2.4495

Previews

White Background



This preview shows how the XYZ color 38.2385, 32.8120, 12.5016 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 38.2385, 32.8120, 12.5016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

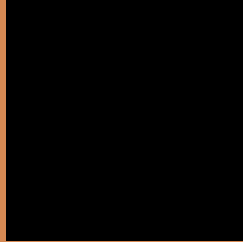
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2385, 32.8120, 12.5016

Background



This preview shows how black text looks on a background with the XYZ color 38.2385, 32.8120, 12.5016.



This preview shows how white text looks on a background with the XYZ color 38.2385, 32.8120,

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

38.2385, 32.8120, 12.5016

Protanopia

30.5285, 33.1730, 14.4669

Deuteranopia

33.5610, 32.8503, 12.3565



Tritanopia

41.6297, 32.7641, 28.9409

Trichromacy



Original Color

38.2385, 32.8120, 12.5016

Protanomaly

32.9613, 32.7478, 13.6005

Deuteranomaly

35.0494, 32.6978, 12.4466

Tritanomaly

40.3326, 32.8587, 21.6694

Monochromacy



Original Color

38.2385, 32.8120, 12.5016

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.3907, 31.9684, 24.8854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2385, 32.8120, 12.5016 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(214, 137, 83)` looks like.

```
.text, #text, p{  
    color:rgb(214, 137, 83)  
}
```

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(214, 137, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 137, 83) }
```

Border

The CSS property to change the border of an element to XYZ 38.2385, 32.8120, 12.5016 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(214, 137, 83) }
```


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

```
.border{ border-color:rgb(214, 137, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 137, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 137, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 137, 83);  
box-shadow:4px 4px 4px 4px rgb(214, 137,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2385, 32.8120, 12.5016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 137, 83) }
```

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

```
.background{ background-color: rgb(214,  
137, 83) }
```

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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