

Converting Colors

XYZ(38.2125, 32.3858, 12.2210)

Have a look what the booklet for
XYZ(38.2125, 32.3858, 12.2210)
contains.

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Color

**XYZ(38.2113, 32.3842,
12.2195)**

Conversions

Conversions Part 1

Format	Color
Hex	D78752
RGB	215, 135, 82
RGB Percent	84%, 53%, 32%
CMY	0.1569, 0.4706, 0.6784
CMYK	0.00, 0.37, 0.62, 0.16
HSL	24°, 62%, 58%
HSV	24°, 62%, 84%
XYZ	38.2113, 32.3842, 12.2195
YIQ	152.8780, 64.6930, 0.4770

Conversions

Conversions Part 2

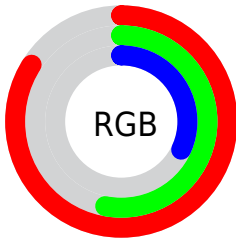
Format	Color
R _Y B	215, 170, 82
Decimal	14124882
CIE Lab	63.66, 25.67, 40.87
CIE LCh	64, 48.263, 57.874
Yxy	32.3842, 0.4614, 0.3910
Android (android.graphics.Color)	4292314962 (0xFFD78752)
YUV	152.8780, -34.9429, 54.4810
Hunter-Lab	56.9071, 20.2696, 27.1038

Details

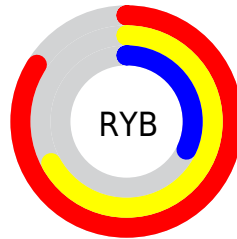
The XYZ color **38.2113, 32.3842, 12.2195** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **28.6650, 32.5392, 69.0595**, and the grayscale version is **30.3535, 31.9342, 34.7763**.

A 20% lighter version of the original color is **63.6712, 59.3486, 30.2899**, and **17.2475, 13.6804, 3.2449** is the 20% darker color. If you saturate the color by 10%, you get **35.8218, 28.7160, 7.9996**, and if you desaturate by 10%, it is **41.0777, 36.5966, 17.8632**.

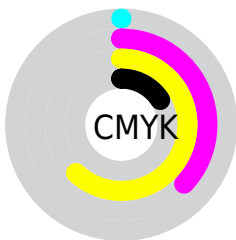
Distribution



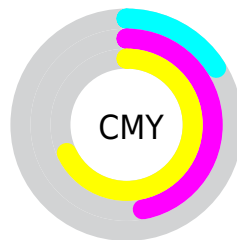
- Red (84%)
- Green (53%)
- Blue (32%)



- Red (84%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (37%)
- Yellow (62%)
- Black (16%)





- Cyan (16%)
- Magenta (47%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2113, 32.3842, 12.2195 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 38.2113, 32.3842, 12.2195 by changing the saturation by 10% instead.


 38.2113, 32.3842,
12.2195


 38.2113, 32.3842,
12.2195


329.7907,
312.8657, 216.8823

 26.3247, 21.6551,
6.7690


 71.7337, 63.4129,
30.5646

 17.2006, 13.6037,
3.2418


 94.1002, 84.4813,
44.2963


 10.4738, 7.8456,
1.2194


 120.6907,
109.7650, 61.6255

 5.7789, 3.9963,
0.0000

 151.8706,
139.6483, 82.9706

 2.7505, 1.6715,
0.0000

 188.0051,
174.5156, 108.7504

 1.0232, 0.4051,
0.0000

229.4598,

 0.0000, 0.0000,

214.7514, 139.3832

0.0000

276.5999,
260.7399, 175.2877

■ 38.2113, 32.3842,
12.2195

■ 38.2113, 32.3842,
12.2195

■ 35.8218, 28.7160,
7.9996

■ 41.0777, 36.5966,
17.8632

■ 33.8743, 25.5613,
5.0681

■ 44.4480, 41.3717,
25.0455

■ 32.3315, 22.8935,
3.2660

■ 48.3491, 46.7330,
33.8713

■ 31.3269, 21.0523,
2.4124

■ 52.8057, 52.7012,
44.4358

■ 57.8405, 59.2957,
56.8268

■ 63.4747, 66.5352,
71.1261

■ 69.7288, 74.4372,
87.4107

■ 76.6218, 83.0188,
105.7530

■ 80.6931, 90.9048,
107.9011

Harmonies

Analogous

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



43.7385, 32.3842, 20.5806



38.2113, 32.3842, 12.2195



31.2642, 32.3842, 9.6317

Triad

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



38.2113, 32.3842, 12.2195



19.5462, 32.3842, 33.8998



37.2560, 32.3842, 79.3846

Complementary

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



38.2113, 32.3842, 12.2195



28.6650, 32.5392, 69.0595

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.



30.3012, 32.3842, 86.9791



38.2113, 32.3842, 12.2195



20.6732, 32.3842, 55.6516

Square

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



38.2113, 32.3842, 12.2195



21.0447, 32.3842, 18.9571



24.3810, 32.3842, 77.0393



43.1327, 32.3842, 58.9527

Rectangle

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



38.2113, 32.3842, 12.2195



26.9659, 32.3842, 10.3956



24.3810, 32.3842, 77.0393



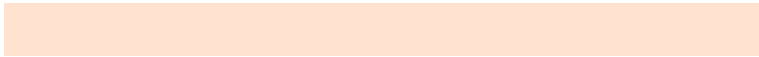
34.9383, 32.3842, 83.7901

Sweetspot

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



38.2121, 32.3859, 12.2201



79.6056, 80.0591, 70.0007



37.7440, 23.1628, 37.6116



16.6010, 16.5578, 13.9196



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.



38.2121, 32.3859, 12.2201



51.8315, 40.8555, 10.3548



50.0820, 56.1258, 16.1768



12.8253, 13.2249, 13.0374



18.8345, 12.7862, 1.4753



1.2158, 0.9307, 0.1156

Inverse Universe

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



28.6650, 32.5392, 69.0595



36.5972, 40.9491, 100.5828



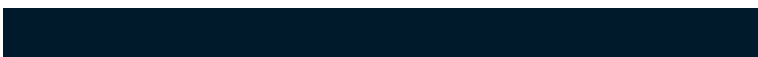
20.0682, 15.3457, 66.1940



12.3576, 13.2387, 15.8415



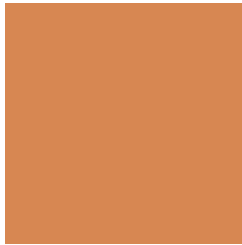
12.1628, 12.5874, 40.2417



0.8135, 0.9190, 2.4538

Previews

White Background



This preview shows how the XYZ color 38.2113, 32.3842, 12.2195 looks on a white background.

Color Contrast Check

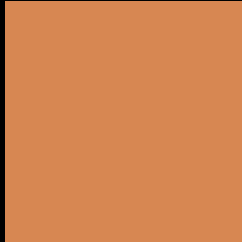
Large Text (above 18pt) WCAG AA × Fail

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 38.2113, 32.3842, 12.2195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

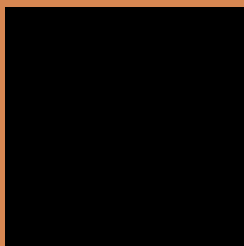
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2113, 32.3842, 12.2195

Background



This preview shows how black text looks on a background with the XYZ color 38.2113, 32.3842, 12.2195.



This preview shows how white text looks on a background with the XYZ color 38.2113, 32.3842,

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

38.2113, 32.3842, 12.2195

Protanopia

30.1021, 32.7100, 14.1783

Deuteranopia

33.0802, 32.3791, 11.9034



Tritanopia

41.5200, 32.3334, 28.0974

Trichromacy



Original Color

38.2113, 32.3842, 12.2195

Protanomaly

32.5193, 32.2908, 13.3229

Deuteranomaly

34.8236, 32.3662, 12.0013

Tritanomaly

40.2998, 32.4460, 21.2782

Monochromacy



Original Color

38.2113, 32.3842, 12.2195

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.0141, 31.3202, 24.4367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2113, 32.3842, 12.2195 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(215, 135, 82)` looks like.

```
.text, #text, p{  
    color:rgb(215, 135, 82)  
}
```

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(215, 135, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 135, 82) }
```

Border

The CSS property to change the border of an element to XYZ 38.2113, 32.3842, 12.2195 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(215, 135, 82) }
```


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

```
.border{ border-color:rgb(215, 135, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 135, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 135, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 135, 82);  
box-shadow:4px 4px 4px 4px rgb(215, 135,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2113, 32.3842, 12.2195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 135, 82) }
```

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

```
.background{ background-color: rgb(215,  
135, 82) }
```

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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