

Converting Colors

XYZ(38.2041, 32.0656, 12.6375)

Have a look what the booklet for
XYZ(38.2041, 32.0656, 12.6375)
contains.

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Color

**XYZ(38.1497, 32.1374,
12.5799)**

Conversions

Conversions Part 1

Format	Color
Hex	D78654
RGB	215, 134, 84
RGB Percent	84%, 53%, 33%
CMY	0.1569, 0.4745, 0.6706
CMYK	0.00, 0.38, 0.61, 0.16
HSL	23°, 62%, 59%
HSV	23°, 61%, 84%
XYZ	38.1497, 32.1374, 12.5799
YIQ	152.5190, 64.3260, 1.6220

Conversions

Conversions Part 2

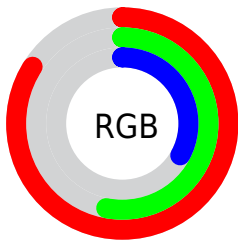
Format	Color
R _Y B	215, 165, 84
Decimal	14124628
CIE Lab	63.46, 26.34, 39.58
CIE LCh	63, 47.547, 56.358
Yxy	32.1374, 0.4604, 0.3878
Android (android.graphics.Color)	4292314708 (0xFFD78654)
YUV	152.5190, -33.7799, 54.7958
Hunter-Lab	56.6899, 20.9151, 26.5260

Details

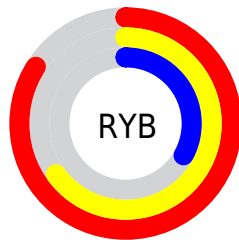
The XYZ color **38.1497, 32.1374, 12.5799** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **29.3762, 33.6996, 69.2461**, and the grayscale version is **30.1925, 31.7649, 34.5920**.

A 20% lighter version of the original color is **63.5964, 58.9757, 30.9532**, and **17.1991, 13.5359, 3.3753** is the 20% darker color. If you saturate the color by 10%, you get **35.7101, 28.4055, 8.2306**, and if you desaturate by 10%, it is **41.0802, 36.4379, 18.3682**.

Distribution



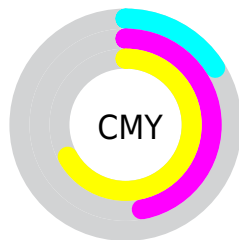
- Red (84%)
- Green (53%)
- Blue (33%)



- Red (84%)
- Yellow (65%)
- Blue (33%)



- Cyan (0%)
- Magenta (38%)
- Yellow (61%)
- Black (16%)




- Cyan (16%)
- Magenta (47%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1497, 32.1374, 12.5799 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 38.1497, 32.1374, 12.5799 by changing the saturation by 10% instead.


 38.1497, 32.1374,
12.5799


 38.1497, 32.1374,
12.5799


329.5315,
311.7447, 219.3199

 26.2766, 21.4665,
7.0126


 71.6400, 63.0264,
31.2270


 17.1645, 13.4654,
3.3914


 93.9878, 84.0133,
45.1439


 10.4479, 7.7498,
1.2978


 120.5581,
109.2076, 62.6811

 5.7614, 3.9353,
0.0600

 151.7160,
138.9938, 84.2570

 2.7398, 1.6374,
0.0000

 187.8269,
173.7562, 110.2904

 1.0177, 0.3826,
0.0000

229.2562,

 0.0000, 0.0000,

213.8792, 141.1996

0.0000

276.3693,
259.7472, 177.4033

■ 38.1497, 32.1374,
12.5799

■ 38.1497, 32.1374,
12.5799

■ 35.7101, 28.4055,
8.2306

■ 41.0802, 36.4379,
18.3682

■ 33.7261, 25.2104,
5.1865

■ 44.5288, 41.3268,
25.7091

■ 32.1601, 22.5238,
3.2913

■ 48.5232, 46.8288,
34.7069

■ 31.0468, 20.4922,
2.3190

■ 53.0882, 52.9656,
45.4562

■ 58.2470, 59.7578,
58.0444

■ 64.0215, 67.2249,
72.5530

■ 70.4323, 75.3857,
89.0586

■ 77.3374, 84.1934,
106.7826

■ 81.4028, 92.3242,
108.1377

Harmonies

Analogous

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



43.4220, 32.1374, 21.1806



38.1497, 32.1374, 12.5799



31.3610, 32.1374, 9.7713

Triad

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



38.1497, 32.1374, 12.5799



19.5271, 32.1374, 32.7283



36.5492, 32.1374, 78.8450

Complementary

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



38.1497, 32.1374, 12.5799



29.3762, 33.6996, 69.2461

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.



29.7446, 32.1374, 85.4025



38.1497, 32.1374, 12.5799



20.5055, 32.1374, 53.7891

Square

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



38.1497, 32.1374, 12.5799



21.1313, 32.1374, 18.4395



24.0257, 32.1374, 74.9335



42.4082, 32.1374, 59.3074

Rectangle

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



38.1497, 32.1374, 12.5799



27.1009, 32.1374, 10.3823



24.0257, 32.1374, 74.9335



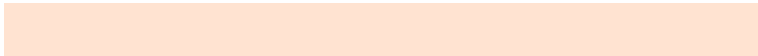
34.2705, 32.1374, 82.8875

Sweetspot

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



38.1505, 32.1390, 12.5805



80.1265, 80.5995, 71.7207



38.1666, 23.5767, 39.0823



16.6937, 16.6458, 14.2506



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.



38.1505, 32.1390, 12.5805



51.6741, 40.4169, 10.6836



49.7120, 55.2622, 16.4344



12.8079, 13.1901, 13.0316



18.6647, 12.4467, 1.4187



1.2045, 0.9082, 0.1118

Inverse Universe

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



29.3762, 33.6996, 69.2461



37.6222, 42.7369, 100.8739



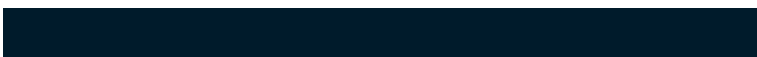
20.6212, 16.1896, 66.3278



12.3755, 13.2745, 15.8475



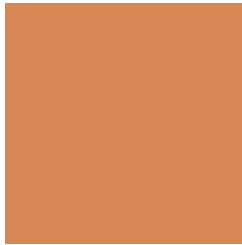
12.4527, 13.1671, 40.3383



0.8299, 0.9518, 2.4593

Previews

White Background



This preview shows how the XYZ color 38.1497, 32.1374, 12.5799 looks on a white background.

Color Contrast Check

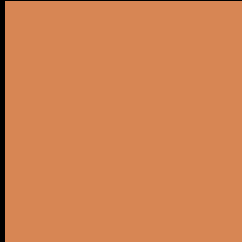
Large Text (above 18pt) WCAG AA × Fail

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 38.1497, 32.1374, 12.5799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

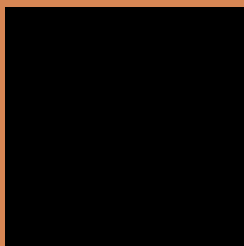
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1497, 32.1374, 12.5799

Background



This preview shows how black text looks on a background with the XYZ color 38.1497, 32.1374, 12.5799.



This preview shows how white text looks on a background with the XYZ color 38.1497, 32.1374,

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

38.1497, 32.1374, 12.5799

Protanopia

29.8061, 32.3015, 14.5614

Deuteranopia

32.9052, 32.2803, 12.2810



Tritanopia

41.4479, 32.3046, 27.7178

Trichromacy



Original Color

38.1497, 32.1374, 12.5799

Protanomaly

32.4449, 32.0111, 13.7013

Deuteranomaly

34.4847, 31.9610, 12.3342

Tritanomaly

40.1661, 32.1787, 21.2337

Monochromacy



Original Color

38.1497, 32.1374, 12.5799

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.0797, 31.3464, 24.7818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1497, 32.1374, 12.5799 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, 134, 84)` looks like.

```
.text, #text, p{  
    color:rgb(215, 134, 84)  
}
```

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, 134, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 134, 84) }
```

Border

The CSS property to change the border of an element to XYZ 38.1497, 32.1374, 12.5799 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, 134, 84) }
```


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

```
.border{ border-color:rgb(215, 134, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 134, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 134, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 134, 84);  
box-shadow:4px 4px 4px 4px rgb(215, 134,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1497, 32.1374, 12.5799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 134, 84) }
```

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

```
.background{ background-color: rgb(215,  
134, 84) }
```

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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