

Converting Colors

XYZ(39.0157, 32.5843, 13.6354)

Have a look what the booklet for
XYZ(39.0157, 32.5843, 13.6354)
contains.

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Color

**XYZ(38.9435, 32.5232,
13.6762)**

Conversions

Conversions Part 1

Format	Color
Hex	D98659
RGB	217, 134, 89
RGB Percent	85%, 53%, 35%
CMY	0.1490, 0.4745, 0.6510
CMYK	0.00, 0.38, 0.59, 0.15
HSL	21°, 63%, 60%
HSV	21°, 59%, 85%
XYZ	38.9435, 32.5232, 13.6762
YIQ	153.6870, 63.9130, 3.6010

Conversions

Conversions Part 2

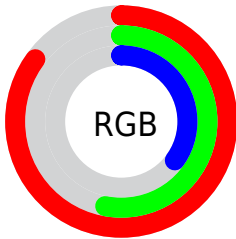
Format	Color
R _Y B	217, 158, 89
Decimal	14255705
CIE Lab	63.77, 27.52, 37.38
CIE LCh	64, 46.415, 53.641
Yxy	32.5232, 0.4574, 0.3820
Android (android.graphics.Color)	4292445785 (0xFFD98659)
YUV	153.6870, -31.8907, 55.5255
Hunter-Lab	57.0291, 22.0914, 25.7020

Details

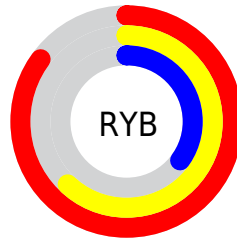
The XYZ color **38.9435, 32.5232, 13.6762** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **31.3957, 36.6365, 71.0620**, and the grayscale version is **30.6945, 32.2930, 35.1670**.

A 20% lighter version of the original color is **63.9568, 59.1199, 32.8513**, and **17.6117, 13.6228, 3.8917** is the 20% darker color. If you saturate the color by 10%, you get **36.3461, 28.5781, 8.9582**, and if you desaturate by 10%, it is **42.0698, 37.0965, 19.8958**.

Distribution



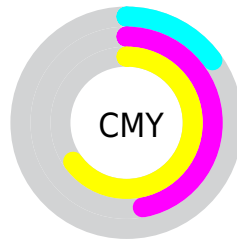
- Red (85%)
- Green (53%)
- Blue (35%)



- Red (85%)
- Yellow (62%)
- Blue (35%)



- Cyan (0%)
- Magenta (38%)
- Yellow (59%)
- Black (15%)





- Cyan (15%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9435, 32.5232, 13.6762 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 38.9435, 32.5232, 13.6762 by changing the saturation by 10% instead.


 38.9435, 32.5232,
13.6762


 38.9435, 32.5232,
13.6762


332.8615,
313.4957, 226.5650


 26.8963, 21.7614,
7.7596


 72.8466, 63.6304,
33.2222


 17.6315, 13.6817,
3.8560


 95.4333, 84.7446,
47.6887


 10.7839, 7.8996,
1.5467


 122.2637,
110.0785, 65.8423

 5.9879, 4.0308,
0.2523

 153.7035,
140.0163, 88.1015

 2.8783, 1.6908,
0.0000

 190.1177,
174.9426, 114.8848

 1.0897, 0.4177,
0.0000

231.8719,

 0.0165, 0.0000,

215.2417, 146.6108

0.0000

279.3314,
261.2979, 183.6980

■ 0.0000, 0.0000,
0.0000

■ 38.9435, 32.5232,
13.6762

■ 38.9435, 32.5232,
13.6762

■ 36.3461, 28.5781,
8.9582

■ 42.0698, 37.0965,
19.8958

■ 34.2407, 25.2263,
5.6082

■ 45.7536, 42.3209,
27.7313

■ 32.5884, 22.4362,
3.4718

■ 50.0241, 48.2237,
37.2876

■ 31.3321, 20.1664,
2.3043

■ 54.9075, 54.8295,
48.6603

■ 31.2201, 19.9617,
2.2075

■ 60.4284, 62.1613,
61.9382

■ 66.6099, 70.2411,
77.2037

■ 73.4741, 79.0899,
94.5348

■ 79.7935, 88.2286,
107.4320

■ 82.4251, 93.4916,
108.3092

Harmonies

Analogous

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



43.8566, 32.5232, 22.8936



38.9435, 32.5232, 13.6762



32.3197, 32.5232, 10.3957

Triad

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



38.9435, 32.5232, 13.6762



20.0655, 32.5232, 31.5878



36.2087, 32.5232, 79.4543

Complementary

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



38.9435, 32.5232, 13.6762



31.3957, 36.6365, 71.0620

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.



29.5464, 32.5232, 84.3291



38.9435, 32.5232, 13.6762



20.8043, 32.5232, 51.8218

Square

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



38.9435, 32.5232, 13.6762



21.8874, 32.5232, 18.1266



24.0690, 32.5232, 72.8409



42.1290, 32.5232, 61.2025

Rectangle

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



38.9435, 32.5232, 13.6762



28.0531, 32.5232, 10.7489



24.0690, 32.5232, 72.8409



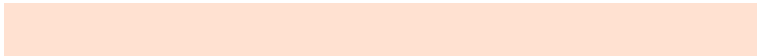
33.9595, 32.5232, 82.9271

Sweetspot

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



38.9443, 32.5249, 13.6768



79.7508, 79.8480, 71.5954



39.6532, 24.8828, 41.8434



16.6028, 16.4641, 14.2203



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.



38.9443, 32.5249, 13.6768



51.5068, 39.8186, 11.4408



50.5666, 55.7695, 17.5509



13.4287, 13.7967, 13.6808



18.9893, 12.2641, 1.3664



1.3096, 0.9532, 0.1150

Inverse Universe

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



31.3957, 36.6365, 71.0620



39.5755, 46.0845, 101.4171



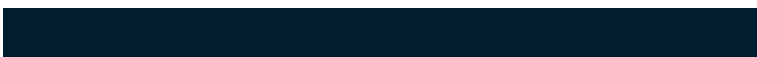
22.0280, 17.9012, 67.9395



13.0396, 14.0189, 16.6708



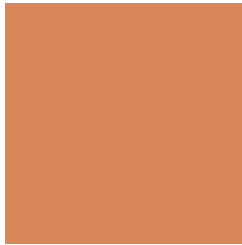
13.4235, 14.7164, 41.8715



0.9494, 1.1130, 2.7392

Previews

White Background



This preview shows how the XYZ color 38.9435, 32.5232, 13.6762 looks on a white background.

Color Contrast Check

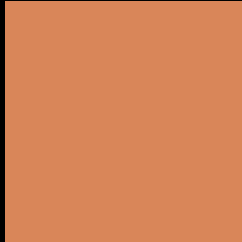
Large Text (above 18pt) WCAG AA × Fail

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 38.9435, 32.5232, 13.6762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

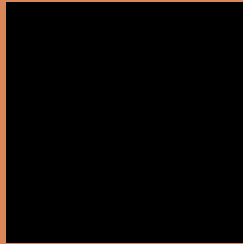
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9435, 32.5232, 13.6762

Background



This preview shows how black text looks on a background with the XYZ color 38.9435, 32.5232, 13.6762.



This preview shows how white text looks on a background with the XYZ color 38.9435, 32.5232,

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

38.9435, 32.5232, 13.6762

Protanopia

30.2412, 32.7408, 16.0350

Deuteranopia

33.2559, 32.6705, 13.3574



Tritanopia

41.7497, 32.4601, 27.7319

Trichromacy



Original Color

38.9435, 32.5232, 13.6762

Protanomaly

32.7038, 32.1147, 15.0648

Deuteranomaly

35.0959, 32.4752, 13.4354

Tritanomaly

40.5862, 32.3814, 21.8804

Monochromacy



Original Color

38.9435, 32.5232, 13.6762

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.5944, 31.8263, 25.5443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9435, 32.5232, 13.6762 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(217, 134, 89)` looks like.

```
.text, #text, p{  
    color:rgb(217, 134, 89)  
}
```

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(217, 134, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 134, 89) }
```

Border

The CSS property to change the border of an element to XYZ 38.9435, 32.5232, 13.6762 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(217, 134, 89) }
```


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

```
.border{ border-color:rgb(217, 134, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 134, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 134, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 134, 89);  
box-shadow:4px 4px 4px 4px rgb(217, 134,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9435, 32.5232, 13.6762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 134, 89) }
```

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

```
.background{ background-color: rgb(217,  
134, 89) }
```

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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