

Converting Colors

XYZ(39.5494, 32.7961, 13.4189)

Have a look what the booklet for
XYZ(39.5494, 32.7961, 13.4189)
contains.

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Color

**XYZ(39.5000, 32.8148,
13.4845)**

Conversions

Conversions Part 1

Format	Color
Hex	DB8658
RGB	219, 134, 88
RGB Percent	86%, 53%, 35%
CMY	0.1412, 0.4745, 0.6549
CMYK	0.00, 0.39, 0.60, 0.14
HSL	21°, 65%, 60%
HSV	21°, 60%, 86%
XYZ	39.5000, 32.8148, 13.4845
YIQ	154.1710, 65.4260, 3.7140

Conversions

Conversions Part 2

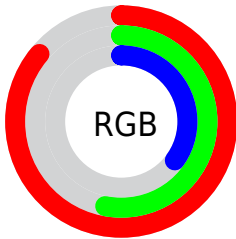
Format	Color
R _Y B	219, 159, 88
Decimal	14386776
CIE Lab	64.01, 28.25, 38.26
CIE LCh	64, 47.560, 53.555
Yxy	32.8148, 0.4604, 0.3825
Android (android.graphics.Color)	4292576856 (0xFFDB8658)
YUV	154.1710, -32.6223, 56.8550
Hunter-Lab	57.2842, 22.8363, 26.1423

Details

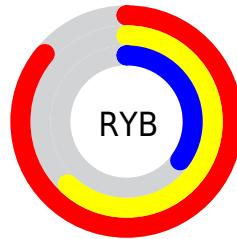
The XYZ color **39.5000, 32.8148, 13.4845** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **31.7534, 37.0745, 72.5002**, and the grayscale version is **30.9097, 32.5194, 35.4137**.

A 20% lighter version of the original color is **63.8834, 59.0905, 32.4647**, and **17.9735, 13.8133, 3.7264** is the 20% darker color. If you saturate the color by 10%, you get **36.8918, 28.8387, 8.7920**, and if you desaturate by 10%, it is **42.6461, 37.4310, 19.7009**.

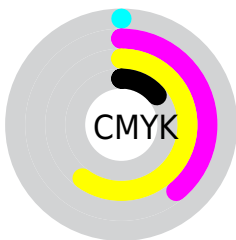
Distribution



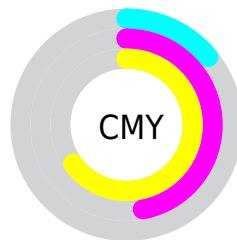
- Red (86%)
- Green (53%)
- Blue (35%)



- Red (86%)
- Yellow (62%)
- Blue (35%)



- Cyan (0%)
- Magenta (39%)
- Yellow (60%)
- Black (14%)



- Cyan (14%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5000, 32.8148, 13.4845 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 39.5000, 32.8148, 13.4845 by changing the saturation by 10% instead.


 39.5000, 32.8148,
13.4845

 39.5000, 32.8148,
13.4845


335.1823,
314.8144, 225.3157


 27.3314, 21.9846,
7.6284


 73.6907, 64.0863,
32.8754

 17.9601, 13.8456,
3.7737


 96.4435, 85.2964,
47.2472


 11.0209, 8.0133,
1.5021


 123.4551,
110.7352, 65.2947

 6.1483, 4.1035,
0.2195

 155.0909,
140.7872, 87.4363

 2.9770, 1.7316,
0.0000

 191.7161,
175.8367, 114.0907

 1.1416, 0.4440,
0.0000

233.6962,

 0.0595, 0.0000,

216.2681, 145.6764

0.0000

281.3965,
262.4659, 182.6118

■ 0.0000, 0.0000,
0.0000

■ 39.5000, 32.8148,
13.4845

■ 39.5000, 32.8148,
13.4845

■ 36.8918, 28.8387,
8.7920

■ 42.6461, 37.4310,
19.7009

■ 34.7834, 25.4667,
5.4851

■ 46.3598, 42.7109,
27.5592

■ 33.1346, 22.6662,
3.4030

■ 50.6710, 48.6827,
37.1676

■ 31.8813, 20.3925,
2.2673

■ 55.6068, 55.3717,
48.6248

■ 31.8609, 20.3551,
2.2497

■ 61.1925, 62.8014,
62.0217

■ 67.4519, 70.9946,
77.4433

■ 74.4075, 79.9728,
94.9698

■ 80.7319, 89.2172,
107.5734

■ 83.0234, 93.8000,
108.3372

Harmonies

Analogous

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



44.5762, 32.8148, 22.9027



39.5000, 32.8148, 13.4845



32.6604, 32.8148, 10.1519

Triad

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



39.5000, 32.8148, 13.4845



20.0442, 32.8148, 31.7401



36.6356, 32.8148, 81.4394

Complementary

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



39.5000, 32.8148, 13.4845



31.7534, 37.0745, 72.5002

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.



29.7634, 32.8148, 86.4681



39.5000, 32.8148, 13.4845



20.7933, 32.8148, 52.6263

Square

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



39.5000, 32.8148, 13.4845



21.9184, 32.8148, 17.9658



24.1349, 32.8148, 74.4642



42.7636, 32.8148, 62.4860

Rectangle

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



39.5000, 32.8148, 13.4845



28.2618, 32.8148, 10.4998



24.1349, 32.8148, 74.4642



34.3126, 32.8148, 85.0415

Sweetspot

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



39.5008, 32.8165, 13.4851



79.7456, 79.8375, 71.5937



40.2606, 25.0627, 42.3271



16.6015, 16.4616, 14.2199



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.



39.5008, 32.8165, 13.4851



51.1771, 39.2939, 10.9159



51.4789, 56.7727, 17.4778



13.4282, 13.7958, 13.6807



18.9853, 12.2562, 1.3651



1.3093, 0.9527, 0.1149

Inverse Universe

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



31.7534, 37.0745, 72.5002



39.2048, 45.6285, 101.3486



22.1366, 17.8409, 69.2946



13.0401, 14.0199, 16.6710



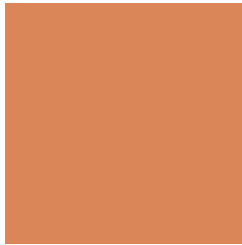
13.4316, 14.7327, 41.8742



0.9499, 1.1140, 2.7394

Previews

White Background



This preview shows how the XYZ color 39.5000, 32.8148, 13.4845 looks on a white background.

Color Contrast Check

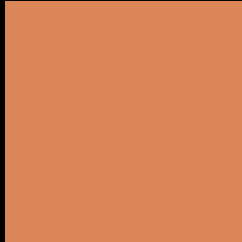
Large Text (above 18pt) WCAG AA × Fail

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 39.5000, 32.8148, 13.4845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

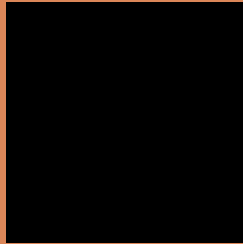
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5000, 32.8148, 13.4845

Background



This preview shows how black text looks on a background with the XYZ color 39.5000, 32.8148, 13.4845.



This preview shows how white text looks on a background with the XYZ color 39.5000, 32.8148,

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

39.5000, 32.8148, 13.4845

Protanopia

30.5774, 33.1675, 15.8567

Deuteranopia

33.4648, 32.7828, 13.1583



Tritanopia

42.3587, 32.7741, 27.7604

Trichromacy



Original Color

39.5000, 32.8148, 13.4845

Protanomaly

33.3047, 32.6615, 14.9049

Deuteranomaly

35.5896, 32.7343, 13.2467

Tritanomaly

41.1312, 32.6693, 21.5907

Monochromacy



Original Color

39.5000, 32.8148, 13.4845

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.8231, 31.9441, 25.5550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5000, 32.8148, 13.4845 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(219, 134, 88)` looks like.

```
.text, #text, p{  
    color:rgb(219, 134, 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(219, 134, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 134, 88) }
```

Border

The CSS property to change the border of an element to XYZ 39.5000, 32.8148, 13.4845 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(219, 134, 88) }
```


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

```
.border{ border-color:rgb(219, 134, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 134, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 134, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 134, 88);  
box-shadow:4px 4px 4px 4px rgb(219, 134,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5000, 32.8148, 13.4845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 134, 88) }
```

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

```
.background{ background-color: rgb(219,  
134, 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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