

Converting Colors

XYZ(38.5685, 32.0676, 9.2766)

Have a look what the booklet for
XYZ(38.5685, 32.0676, 9.2766)
contains.

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Color

**XYZ(38.4481, 31.9559,
9.2959)**

Conversions

Conversions Part 1

Format	Color
Hex	DB8442
RGB	219, 132, 66
RGB Percent	86%, 52%, 26%
CMY	0.1412, 0.4823, 0.7412
CMYK	0.00, 0.40, 0.70, 0.14
HSL	26°, 68%, 56%
HSV	26°, 70%, 86%
XYZ	38.4481, 31.9559, 9.2959
YIQ	150.4890, 73.0380, -2.0820

Conversions

Conversions Part 2

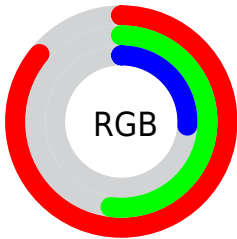
Format	Color
R_{YB}	219, 182, 66
Decimal	14386242
CIE _{Lab}	63.31, 27.95, 48.67
CIE _{LCh}	63, 56.122, 60.135
Yxy	31.9559, 0.4824, 0.4010
Android (android.graphics.Color)	4292576322 (0xFFDB8442)
YUV	150.4890, -41.6531, 60.0841
Hunter-Lab	56.5295, 22.4786, 29.8208

Details

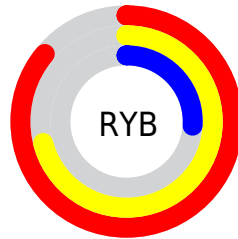
The XYZ color **38.4481, 31.9559, 9.2959** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **26.4235, 29.0538, 71.2329**, and the grayscale version is **29.3482, 30.8766, 33.6246**.

A 20% lighter version of the original color is **62.0098, 57.6622, 24.6913**, and **17.3946, 13.4372, 2.0923** is the 20% darker color. If you saturate the color by 10%, you get **36.3328, 28.5685, 5.9922**, and if you desaturate by 10%, it is **41.0135, 35.8486, 13.9690**.

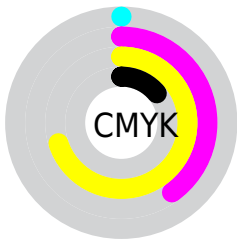
Distribution



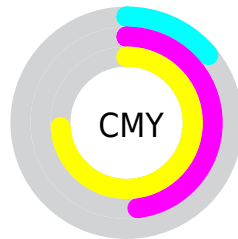
- Red (86%)
- Green (52%)
- Blue (26%)



- Red (86%)
- Yellow (71%)
- Blue (26%)



- Cyan (0%)
- Magenta (40%)
- Yellow (70%)
- Black (14%)





- Cyan (14%)
- Magenta (48%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4481, 31.9559, 9.2959 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 38.4481, 31.9559, 9.2959 by changing the saturation by 10% instead.


 38.4481, 31.9559,
9.2959


 38.4481, 31.9559,
9.2959


330.7860,
310.9183, 195.8688


 26.5094, 21.3278,
4.8352


 72.0939, 62.7419,
25.0492


 17.3398, 13.3638,
2.0939


 94.5318, 83.6687,
37.1790


 10.5739, 7.6796,
0.6121


 121.2001,
108.7971, 52.7022

 5.8462, 3.8906,
0.0000

 152.4643,
138.5116, 72.0374

 2.7916, 1.6126,
0.0000

 188.6896,
173.1966, 95.6031

 1.0445, 0.3660,
0.0000

230.2414,

 0.0000, 0.0000,

213.2365, 123.8179

0.0000

277.4851,
259.0156, 157.1003

■ 38.4481, 31.9559,
9.2959

■ 38.4481, 31.9559,
9.2959

■ 36.3328, 28.5685,
5.9922

■ 41.0135, 35.8486,
13.9690

■ 34.6284, 25.6553,
3.8962

■ 44.0588, 40.2651,
20.1451

■ 33.2757, 23.1821,
2.7294

■ 47.6133, 45.2289,
27.9435

■ 33.2587, 23.1507,
2.7156

■ 51.7030, 50.7600,
37.4708

■ 56.3518, 56.8774,
48.8246

■ 61.5823, 63.5994,
62.0951

■ 67.4155, 70.9429,
77.3664

■ 73.8714, 78.9245,
94.7175

■ 79.6368, 87.0270,
107.2083

Harmonies

Analogous

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



45.2350, 31.9559, 17.4130



38.4481, 31.9559, 9.2959



30.3379, 31.9559, 7.1299

Triad

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



38.4481, 31.9559, 9.2959



17.7350, 31.9559, 34.8956



38.5196, 31.9559, 86.5570

Complementary

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



38.4481, 31.9559, 9.2959



26.4235, 29.0538, 71.2329

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.



30.4084, 31.9559, 97.6291



38.4481, 31.9559, 9.2959



19.1853, 31.9559, 61.0405

Square

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



38.4481, 31.9559, 9.2959



19.1593, 31.9559, 17.5235



23.5162, 31.9559, 86.7425



45.2810, 31.9559, 60.7865

Rectangle

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



38.4481, 31.9559, 9.2959



25.5090, 31.9559, 8.0792



23.5162, 31.9559, 86.7425



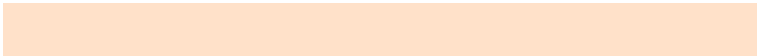
35.8193, 31.9559, 92.5125

Sweetspot

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



38.4488, 31.9576, 9.2965



78.6398, 79.1067, 66.6606



37.0991, 21.3317, 33.2829



16.4300, 16.4058, 13.2767



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.



38.4488, 31.9576, 9.2965



50.0527, 38.2506, 6.8246



52.3283, 59.7164, 13.9230



13.5157, 13.9708, 13.7098



19.8251, 13.9358, 1.6450



1.3689, 1.0719, 0.1347

Inverse Universe

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



26.4235, 29.0538, 71.2329



31.9815, 33.7373, 99.4341



17.8111, 11.8290, 68.3621



12.9501, 13.8399, 16.6410



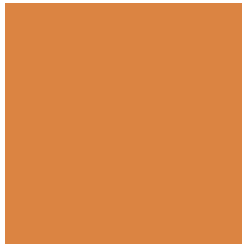
12.0051, 11.8796, 41.3987



0.8628, 0.9396, 2.7103

Previews

White Background



This preview shows how the XYZ color 38.4481, 31.9559, 9.2959 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 38.4481, 31.9559, 9.2959 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 38.4481, 31.9559, 9.2959

Background



This preview shows how black text looks on a background with the XYZ color 38.4481, 31.9559, 9.2959.



This preview shows how white text looks on a background with the XYZ color 38.4481, 31.9559,

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

38.4481, 31.9559, 9.2959

Protanopia

29.3358, 32.1383, 10.9605

Deuteranopia

32.6342, 31.9819, 9.0105



Tritanopia

42.0681, 32.0764, 26.5284

Trichromacy



Original Color

38.4481, 31.9559, 9.2959

Protanomaly

32.1234, 31.6913, 10.2183

Deuteranomaly

34.5095, 31.8261, 9.0268

Tritanomaly

40.6037, 32.0721, 18.5185

Monochromacy



Original Color

38.4481, 31.9559, 9.2959

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.8314, 30.0908, 21.6359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4481, 31.9559, 9.2959 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, 132, 66)` looks like.

```
.text, #text, p{  
    color:rgb(219, 132, 66)  
}
```

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, 132, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 132, 66) }
```

Border

The CSS property to change the border of an element to XYZ 38.4481, 31.9559, 9.2959 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, 132, 66) }
```


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

```
.border{ border-color:rgb(219, 132, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 132, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 132, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 132, 66);  
box-shadow:4px 4px 4px 4px rgb(219, 132,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4481, 31.9559, 9.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 132, 66) }
```

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

```
.background{ background-color: rgb(219,  
132, 66) }
```

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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