

Converting Colors

XYZ(38.9827, 31.6647, 13.2291)

Have a look what the booklet for
XYZ(38.9827, 31.6647, 13.2291)
contains.

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Color

**XYZ(38.9575, 31.7299,
13.3037)**

Conversions

Conversions Part 1

Format	Color
Hex	DB8258
RGB	219, 130, 88
RGB Percent	86%, 51%, 35%
CMY	0.1412, 0.4902, 0.6549
CMYK	0.00, 0.41, 0.60, 0.14
HSL	19°, 65%, 60%
HSV	19°, 60%, 86%
XYZ	38.9575, 31.7299, 13.3037
YIQ	151.8230, 66.5260, 5.8060

Conversions

Conversions Part 2

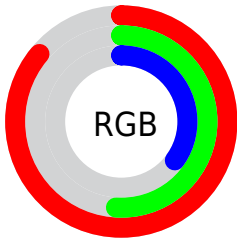
Format	Color
R _Y B	219, 150, 88
Decimal	14385752
CIE Lab	63.12, 30.38, 37.17
CIE LCh	63, 48.005, 50.739
Yxy	31.7299, 0.4638, 0.3778
Android (android.graphics.Color)	4292575832 (0xFFDB8258)
YUV	151.8230, -31.4647, 58.9142
Hunter-Lab	56.3293, 24.8748, 25.4276

Details

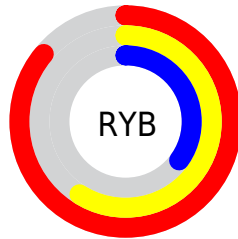
The XYZ color **38.9575, 31.7299, 13.3037** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **32.5318, 38.6314, 72.7595**, and the grayscale version is **29.8808, 31.4369, 34.2348**.

A 20% lighter version of the original color is **63.0407, 57.4051, 32.1838**, and **17.6934, 13.2256, 3.7181** is the 20% darker color. If you saturate the color by 10%, you get **36.3451, 27.7454, 8.6097**, and if you desaturate by 10%, it is **42.1301, 36.3990, 19.5289**.

Distribution



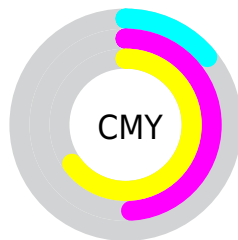
- Red (86%)
- Green (51%)
- Blue (35%)



- Red (86%)
- Yellow (59%)
- Blue (35%)



- Cyan (0%)
- Magenta (41%)
- Yellow (60%)
- Black (14%)





- Cyan (14%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9575, 31.7299, 13.3037 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 38.9575, 31.7299, 13.3037 by changing the saturation by 10% instead.


 38.9575, 31.7299,
13.3037


 38.9575, 31.7299,
13.3037


332.9200,
309.8870, 224.1307


 26.9072, 21.1553,
7.5048


 72.8679, 62.3874,
32.5475

 17.6398, 13.2376,
3.6966


 95.4587, 83.2391,
46.8295


 10.7898, 7.5923,
1.4604


 122.2938,
108.2853, 64.7762

 5.9919, 3.8352,
0.1882

 153.7384,
137.9103, 86.8063

 2.8808, 1.5818,
0.0000

 190.1580,
172.4986, 113.3383

 1.0910, 0.3453,
0.0000

231.9179,

 0.0176, 0.0000,

212.4345, 144.7906

0.0000

279.3835,
258.1026, 181.5819

■ 0.0000, 0.0000,
0.0000

■ 38.9575, 31.7299,
13.3037

■ 38.9575, 31.7299,
13.3037

■ 36.3451, 27.7454,
8.6097

■ 42.1301, 36.3990,
19.5289

■ 34.2530, 24.4059,
5.3083

■ 45.8941, 41.7795,
27.4039

■ 32.6390, 21.6750,
3.2378

■ 50.2810, 47.9029,
37.0376

■ 31.4368, 19.5035,
2.1192

■ 55.3193, 54.7968,
48.5289

■ 31.4174, 19.4682,
2.1019

■ 61.0356, 62.4878,
61.9693

■ 67.4550, 71.0009,
77.4443

■ 74.6010, 80.3600,
95.0342

■ 81.1475, 90.0485,
107.7119

■ 83.0233, 93.8000,
108.3372

Harmonies

Analogous

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



43.7055, 31.7299, 23.1753



38.9575, 31.7299, 13.3037



32.2547, 31.7299, 9.6055

Triad

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



38.9575, 31.7299, 13.3037



19.2541, 31.7299, 29.0047



34.8967, 31.7299, 81.1169

Complementary

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



38.9575, 31.7299, 13.3037



32.5318, 38.6314, 72.7595

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.



28.1548, 31.7299, 84.4979



38.9575, 31.7299, 13.3037



19.7470, 31.7299, 49.1407

Square

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



38.9575, 31.7299, 13.3037



21.3331, 31.7299, 16.2248



22.7951, 31.7299, 71.1831



41.1330, 31.7299, 63.1537

Rectangle

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



38.9575, 31.7299, 13.3037



27.8469, 31.7299, 9.6752



22.7951, 31.7299, 71.1831



32.5942, 31.7299, 84.2017

Sweetspot

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



38.9583, 31.7315, 13.3043



79.3678, 79.0819, 71.4677



40.6905, 25.2346, 44.5917



16.5103, 16.2791, 14.1895



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.



38.9583, 31.7315, 13.3043



50.4091, 37.7578, 10.6599



50.4861, 54.7873, 17.1469



13.3952, 13.7297, 13.6697



18.7171, 11.7197, 1.2756



1.2891, 0.9123, 0.1081

Inverse Universe

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



32.5318, 38.6314, 72.7595



40.4468, 48.1125, 101.7626



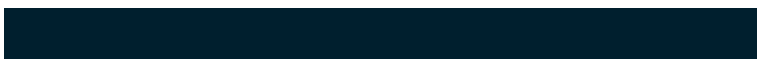
22.6069, 18.7815, 69.4512



13.0745, 14.0888, 16.6825



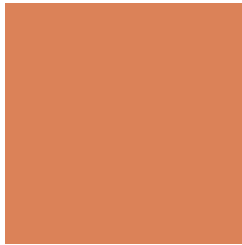
14.0364, 15.9422, 42.0758



0.9859, 1.1860, 2.7514

Previews

White Background



This preview shows how the XYZ color 38.9575, 31.7299, 13.3037 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 38.9575, 31.7299, 13.3037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

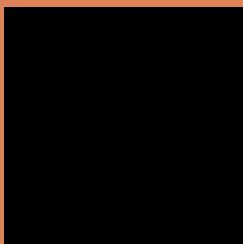
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9575, 31.7299, 13.3037

Background



This preview shows how black text looks on a background with the XYZ color 38.9575, 31.7299, 13.3037.



This preview shows how white text looks on a background with the XYZ color 38.9575, 31.7299,

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

38.9575, 31.7299, 13.3037

Protanopia

29.4853, 31.8610, 15.9050

Deuteranopia

32.4121, 31.7784, 13.0199



Tritanopia

41.5655, 31.6384, 26.1064

Trichromacy



Original Color

38.9575, 31.7299, 13.3037

Protanomaly

32.3955, 31.4981, 14.9620

Deuteranomaly

34.6110, 31.5702, 13.0736

Tritanomaly

40.4905, 31.5782, 20.7907

Monochromacy



Original Color

38.9575, 31.7299, 13.3037

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.8402, 30.7616, 25.0283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9575, 31.7299, 13.3037 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, 130, 88)` looks like.

```
.text, #text, p{  
    color:rgb(219, 130, 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, 130, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 130, 88) }
```

Border

The CSS property to change the border of an element to XYZ 38.9575, 31.7299, 13.3037 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, 130, 88) }
```


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

```
.border{ border-color:rgb(219, 130, 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, 130, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 130, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 130, 88);  
box-shadow:4px 4px 4px 4px rgb(219, 130,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9575, 31.7299, 13.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 130, 88) }
```

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

```
.background{ background-color: rgb(219,  
130, 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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