

Converting Colors

XYZ(38.6955, 34.0471, 13.7188)

Have a look what the booklet for
XYZ(38.6955, 34.0471, 13.7188)
contains.

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Color

**XYZ(38.8750, 34.1967,
13.7842)**

Conversions

Conversions Part 1

Format	Color
Hex	D58E58
RGB	213, 142, 88
RGB Percent	84%, 56%, 35%
CMY	0.1647, 0.4431, 0.6549
CMYK	0.00, 0.33, 0.59, 0.16
HSL	26°, 60%, 59%
HSV	26°, 59%, 84%
XYZ	38.8750, 34.1967, 13.7842
YIQ	157.0730, 59.6500, -1.7420

Conversions

Conversions Part 2

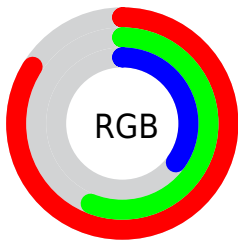
Format	Color
RYB	213, 183, 88
Decimal	13995608
CIELab	65.12, 21.50, 39.44
CIELCh	65, 44.915, 61.401
Yxy	34.1967, 0.4476, 0.3937
Android (android.graphics.Color)	4292185688 (0xFFD58E58)
YUV	157.0730, -34.0530, 49.0480
Hunter-Lab	58.4779, 16.3269, 26.9589

Details

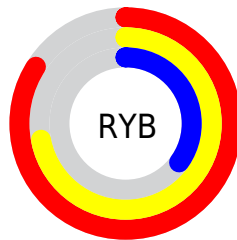
The XYZ color **38.8750, 34.1967, 13.7842** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **28.4321, 31.6735, 67.5655**, and the grayscale version is **32.2111, 33.8886, 36.9047**.

A 20% lighter version of the original color is **65.6401, 62.6039, 33.0503**, and **17.6417, 14.6039, 3.8965** is the 20% darker color. If you saturate the color by 10%, you get **36.4151, 30.4886, 9.2290**, and if you desaturate by 10%, it is **41.7897, 38.4020, 19.7630**.

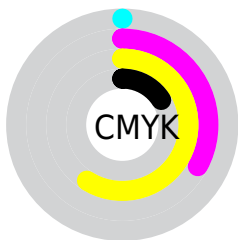
Distribution



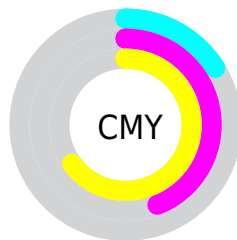
- Red (84%)
- Green (56%)
- Blue (35%)



- Red (84%)
- Yellow (72%)
- Blue (35%)



- Cyan (0%)
- Magenta (33%)
- Yellow (59%)
- Black (16%)





- Cyan (16%)
- Magenta (44%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8750, 34.1967, 13.7842 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 38.8750, 34.1967, 13.7842 by changing the saturation by 10% instead.


 38.8750, 34.1967,
13.7842


 38.8750, 34.1967,
13.7842


332.5751,
321.0082, 227.2657


 26.8428, 23.0448,
7.8337


 72.7426, 66.2394,
33.4172

 17.5912, 14.6266,
3.9025


 95.3087, 87.8990,
47.9368


 10.7548, 8.5577,
1.5720


 122.1169,
113.8299, 66.1499

 5.9683, 4.4538,
0.2707

 153.5323,
144.4166, 88.4749

 2.8663, 1.9305,
0.0000

 189.9206,
180.0433, 115.3305

 1.0834, 0.5666,
0.0000

231.6468,

 0.0112, 0.0000,

221.0946, 147.1351

0.0000

279.0766,
267.9548, 184.3073

■ 0.0000, 0.0000,
0.0000

■ 38.8750, 34.1967,
13.7842

■ 38.8750, 34.1967,
13.7842

■ 36.4151, 30.4886,
9.2290

■ 41.7897, 38.4020,
19.7630

■ 34.3780, 27.2510,
5.9714

■ 45.1829, 43.1195,
27.2729

■ 32.7309, 24.4615,
3.8662

■ 49.0797, 48.3695,
36.4129

■ 31.4244, 22.0895,
2.6879

■ 53.5021, 54.1696,
47.2733

■ 31.2697, 21.8046,
2.5606

■ 58.4709, 60.5366,
59.9376

■ 64.0058, 67.4864,
74.4839

■ 70.1252, 75.0342,
90.9854

■ 76.2942, 82.9737,
106.6021

■ 79.9511, 90.2875,
107.8211

Harmonies

Analogous

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



44.4094, 34.1967, 21.4966



38.8750, 34.1967, 13.7842



32.1976, 34.1967, 11.6535

Triad

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



38.8750, 34.1967, 13.7842



21.5201, 34.1967, 38.1184



39.4758, 34.1967, 77.0136

Complementary

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



38.8750, 34.1967, 13.7842



28.4321, 31.6735, 67.5655

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.



32.8102, 34.1967, 85.8427



38.8750, 34.1967, 13.7842



22.9410, 34.1967, 59.2271

Square

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



38.8750, 34.1967, 13.7842



22.6991, 34.1967, 22.5672



26.8682, 34.1967, 78.4463



44.7876, 34.1967, 57.1809

Rectangle

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



38.8750, 34.1967, 13.7842



28.1432, 34.1967, 12.8260



26.8682, 34.1967, 78.4463



37.2912, 34.1967, 81.6160

Sweetspot

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



38.8758, 34.1984, 13.7848



80.7612, 81.8687, 71.9322



37.3560, 23.6961, 36.2848



16.8475, 16.9534, 14.3019



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.



38.8758, 34.1984, 13.7848



54.0548, 44.7745, 12.7223



50.4595, 57.3658, 17.6461



12.8601, 13.2944, 13.0490



19.1983, 13.5139, 1.5966



1.2393, 0.9778, 0.1234

Inverse Universe

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



28.4321, 31.6735, 67.5655



36.9670, 40.5704, 100.4902



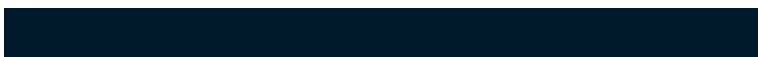
20.4417, 15.6927, 64.9020



12.3221, 13.1676, 15.8297



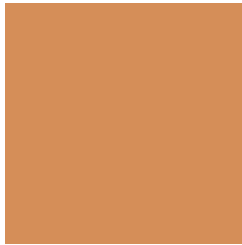
11.6144, 11.4905, 40.0589



0.7821, 0.8562, 2.4433

Previews

White Background



This preview shows how the XYZ color 38.8750, 34.1967, 13.7842 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 38.8750, 34.1967, 13.7842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

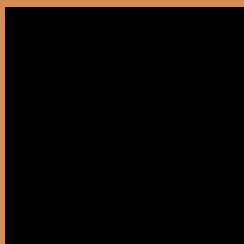
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8750, 34.1967, 13.7842

Background



This preview shows how black text looks on a background with the XYZ color 38.8750, 34.1967, 13.7842.



This preview shows how white text looks on a background with the XYZ color 38.8750, 34.1967,

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

38.8750, 34.1967, 13.7842

Protanopia

31.4808, 34.1461, 15.5213

Deuteranopia

34.9945, 34.2744, 13.5753



Tritanopia

42.3901, 34.1240, 31.1405

Trichromacy



Original Color

38.8750, 34.1967, 13.7842

Protanomaly

33.8990, 33.9205, 14.8859

Deuteranomaly

36.3976, 34.2854, 13.7162

Tritanomaly

41.0455, 34.2311, 23.5127

Monochromacy



Original Color

38.8750, 34.1967, 13.7842

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.5246, 33.4695, 26.5231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8750, 34.1967, 13.7842 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(213, 142, 88)` looks like.

```
.text, #text, p{  
    color:rgb(213, 142, 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(213, 142, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 142, 88) }
```

Border

The CSS property to change the border of an element to XYZ 38.8750, 34.1967, 13.7842 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(213, 142, 88) }
```


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

```
.border{ border-color:rgb(213, 142, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 142, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 142, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 142, 88);  
box-shadow:4px 4px 4px 4px rgb(213, 142,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8750, 34.1967, 13.7842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 142, 88) }
```

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

```
.background{ background-color: rgb(213,  
142, 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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