

Converting Colors

XYZ(38.9854, 34.0438, 13.2485)

Have a look what the booklet for
XYZ(38.9854, 34.0438, 13.2485)
contains.

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Color

**XYZ(38.9361, 34.0178,
13.3180)**

Conversions

Conversions Part 1

Format	Color
Hex	D68D56
RGB	214, 141, 86
RGB Percent	84%, 55%, 34%
CMY	0.1608, 0.4470, 0.6627
CMYK	0.00, 0.34, 0.60, 0.16
HSL	26°, 61%, 59%
HSV	26°, 60%, 84%
XYZ	38.9361, 34.0178, 13.3180
YIQ	156.5570, 61.1630, -1.6290

Conversions

Conversions Part 2

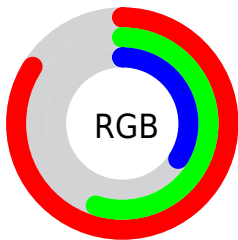
Format	Color
R_{YB}	214, 182, 86
Decimal	14060886
CIE _{Lab}	64.98, 22.31, 40.34
CIE _{LCh}	65, 46.093, 61.058
Yxy	34.0178, 0.4513, 0.3943
Android (android.graphics.Color)	4292250966 (0xFFD68D56)
YUV	156.5570, -34.7846, 50.3775
Hunter-Lab	58.3248, 17.0936, 27.2889

Details

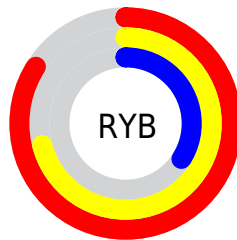
The XYZ color **38.9361, 34.0178, 13.3180** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **28.3726, 31.6279, 68.2273**, and the grayscale version is **31.9816, 33.6471, 36.6417**.

A 20% lighter version of the original color is **65.2705, 62.0964, 32.2126**, and **17.5236, 14.4208, 3.6936** is the 20% darker color. If you saturate the color by 10%, you get **36.4982, 30.3216, 8.8697**, and if you desaturate by 10%, it is **41.8320, 38.2173, 19.1928**.

Distribution



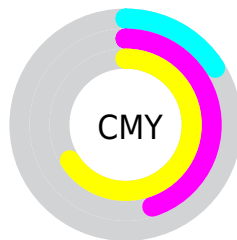
- Red (84%)
- Green (55%)
- Blue (34%)



- Red (84%)
- Yellow (71%)
- Blue (34%)



- Cyan (0%)
- Magenta (34%)
- Yellow (60%)
- Black (16%)





- Cyan (16%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9361, 34.0178, 13.3180 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 38.9361, 34.0178, 13.3180 by changing the saturation by 10% instead.


 38.9361, 34.0178,
13.3180


 38.9361, 34.0178,
13.3180

332.8306,
320.2114, 224.2247


 26.8905, 22.9073,
7.5146


 72.8354, 65.9613,
32.5734

 17.6272, 14.5251,
3.7027


 95.4198, 87.5632,
46.8625


 10.7807, 8.4867,
1.4637


 122.2479,
113.4309, 64.8173

 5.9858, 4.4080,
0.1907

 153.6850,
143.9488, 86.8562

 2.8770, 1.9043,
0.0000

 190.0964,
179.5015, 113.3979

 1.0891, 0.5510,
0.0000

231.8476,

 0.0159, 0.0000,

220.4732, 144.8608

0.0000

279.3039,
267.2484, 181.6636

■ 0.0000, 0.0000,
0.0000

■ 38.9361, 34.0178,
13.3180

■ 38.9361, 34.0178,
13.3180

■ 36.4982, 30.3216,
8.8697

■ 41.8320, 38.2173,
19.1928

■ 34.4857, 27.1012,
5.7184

■ 45.2105, 42.9354,
26.6042

■ 32.8644, 24.3335,
3.7138

■ 49.0969, 48.1932,
35.6538

■ 31.5773, 21.9844,
2.5906

■ 53.5142, 54.0087,
46.4335

■ 31.5552, 21.9438,
2.5724

■ 58.4834, 60.3990,
59.0285

■ 64.0247, 67.3804,
73.5185

■ 70.1568, 74.9686,
89.9781

■ 76.5413, 83.0360,
106.6011

■ 80.2284, 90.4102,
107.8302

Harmonies

Analogous

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



44.5940, 34.0178, 21.1540



38.9361, 34.0178, 13.3180



32.0969, 34.0178, 11.1359

Triad

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



38.9361, 34.0178, 13.3180



21.1423, 34.0178, 37.7214



39.4018, 34.0178, 78.1908

Complementary

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



38.9361, 34.0178, 13.3180



28.3726, 31.6279, 68.2273

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.



32.5701, 34.0178, 87.1573



38.9361, 34.0178, 13.3180



22.5544, 34.0178, 59.3723

Square

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



38.9361, 34.0178, 13.3180



22.3688, 34.0178, 21.9723



26.5219, 34.0178, 79.3112



44.8878, 34.0178, 57.7792

Rectangle

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



38.9361, 34.0178, 13.3180



27.9452, 34.0178, 12.2691



26.5219, 34.0178, 79.3112



37.1574, 34.0178, 82.9051

Sweetspot

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



38.9369, 34.0195, 13.3186



80.7318, 81.8100, 71.9224



37.4629, 23.5133, 36.1284



16.8404, 16.9392, 14.2995



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.



38.9369, 34.0195, 13.3186



53.3443, 43.6282, 11.6383



50.8457, 57.8372, 17.2883



12.8577, 13.2896, 13.0482



19.1721, 13.4615, 1.5878



1.2376, 0.9745, 0.1229

Inverse Universe

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



28.3726, 31.6279, 68.2273



36.2232, 39.6652, 100.3547



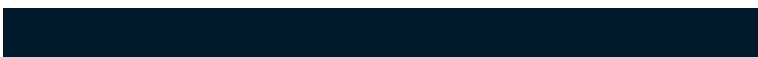
20.2195, 15.3217, 65.5095



12.3245, 13.1725, 15.8305



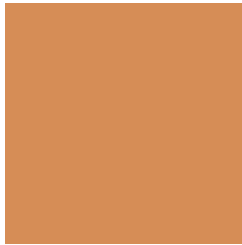
11.6510, 11.5637, 40.0711



0.7842, 0.8604, 2.4441

Previews

White Background



This preview shows how the XYZ color 38.9361, 34.0178, 13.3180 looks on a white background.

Color Contrast Check

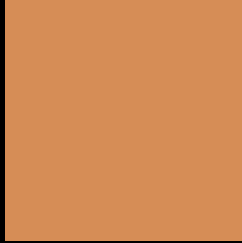
Large Text (above 18pt) WCAG AA × Fail

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 38.9361, 34.0178, 13.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

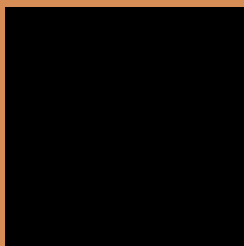
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9361, 34.0178, 13.3180

Background



This preview shows how black text looks on a background with the XYZ color 38.9361, 34.0178, 13.3180.



This preview shows how white text looks on a background with the XYZ color 38.9361, 34.0178,

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

38.9361, 34.0178, 13.3180

Protanopia

31.3922, 34.1107, 15.0547

Deuteranopia

34.9150, 34.2426, 13.1568



Tritanopia

42.4726, 33.9692, 30.7037

Trichromacy



Original Color

38.9361, 34.0178, 13.3180

Protanomaly

33.8127, 33.8860, 14.4314

Deuteranomaly

36.1608, 33.9408, 13.2397

Tritanomaly

41.1361, 34.0731, 23.1475

Monochromacy



Original Color

38.9361, 34.0178, 13.3180

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.5234, 33.2369, 26.1212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9361, 34.0178, 13.3180 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(214, 141, 86)` looks like.

```
.text, #text, p{  
    color:rgb(214, 141, 86)  
}
```

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(214, 141, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 141, 86) }
```

Border

The CSS property to change the border of an element to XYZ 38.9361, 34.0178, 13.3180 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(214, 141, 86) }
```


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

```
.border{ border-color:rgb(214, 141, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 141, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 141, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 141, 86);  
box-shadow:4px 4px 4px 4px rgb(214, 141,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9361, 34.0178, 13.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 141, 86) }
```

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

```
.background{ background-color: rgb(214,  
141, 86) }
```

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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