

Converting Colors

XYZ(38.6066, 33.6720, 13.3756)

Have a look what the booklet for
XYZ(38.6066, 33.6720, 13.3756)
contains.

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Color

**XYZ(38.5390, 33.5904,
13.4692)**

Conversions

Conversions Part 1

Format	Color
Hex	D58C57
RGB	213, 140, 87
RGB Percent	84%, 55%, 34%
CMY	0.1647, 0.4510, 0.6588
CMYK	0.00, 0.34, 0.59, 0.16
HSL	25°, 60%, 59%
HSV	25°, 59%, 84%
XYZ	38.5390, 33.5904, 13.4692
YIQ	155.7850, 60.5210, -1.0070

Conversions

Conversions Part 2

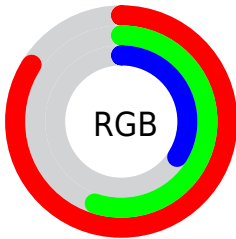
Format	Color
R_{YB}	213, 178, 87
Decimal	13995095
CIE _{Lab}	64.64, 22.51, 39.37
CIE _{LCh}	65, 45.353, 60.248
Yxy	33.5904, 0.4502, 0.3924
Android (android.graphics.Color)	4292185175 (0xFFD58C57)
YUV	155.7850, -33.9110, 50.1776
Hunter-Lab	57.9572, 17.2695, 26.7911

Details

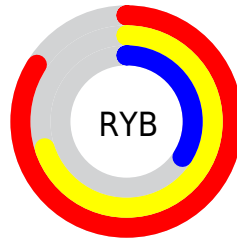
The XYZ color **38.5390, 33.5904, 13.4692** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **28.5109, 31.9705, 67.6189**, and the grayscale version is **31.6323, 33.2797, 36.2415**.

A 20% lighter version of the original color is **65.1192, 61.6786, 32.5178**, and **17.2650, 14.1613, 3.7429** is the 20% darker color. If you saturate the color by 10%, you get **36.0908, 29.8873, 8.9749**, and if you desaturate by 10%, it is **41.4477, 37.8040, 19.3840**.

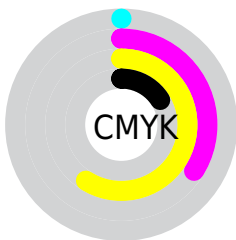
Distribution



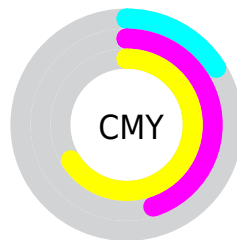
- Red (84%)
- Green (55%)
- Blue (34%)



- Red (84%)
- Yellow (70%)
- Blue (34%)



- Cyan (0%)
- Magenta (34%)
- Yellow (59%)
- Black (16%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5390, 33.5904, 13.4692 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 38.5390, 33.5904, 13.4692 by changing the saturation by 10% instead.


 38.5390, 33.5904,
13.4692


 38.5390, 33.5904,
13.4692


331.1675,
318.3018, 225.2156


 26.5804, 22.5791,
7.6179


 72.2321, 65.2962,
32.8476


 17.3933, 14.2830,
3.7672


 94.6974, 86.7595,
47.2119


 10.6123, 8.3178,
1.4985


 121.3955,
112.4756, 65.2509

 5.8722, 4.2990,
0.2168

 152.6919,
142.8289, 87.3831

 2.8074, 1.8422,
0.0000

 188.9520,
178.2037, 114.0272

 1.0528, 0.5132,
0.0000

230.5411,

 0.0000, 0.0000,

218.9846, 145.6016

0.0000

277.8244,
265.5558, 182.5249

■ 38.5390, 33.5904,
13.4692

■ 38.5390, 33.5904,
13.4692

■ 36.0908, 29.8873,
8.9749

■ 41.4477, 37.8040,
19.3840

■ 34.0707, 26.6670,
5.7742

■ 44.8415, 42.5439,
26.8276

■ 32.4451, 23.9062,
3.7203

■ 48.7454, 47.8313,
35.8995

■ 31.1614, 21.5720,
2.5732

■ 53.1823, 53.6845,
46.6904

■ 31.0633, 21.3917,
2.4918

■ 58.1733, 60.1210,
59.2844

■ 63.7384, 67.1574,
73.7597

■ 69.8963, 74.8095,
90.1900

■ 76.2759, 82.9370,
106.5960

■ 80.0072, 90.3995,
107.8398

Harmonies

Analogous

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



43.9858, 33.5904, 21.3442



38.5390, 33.5904, 13.4692



31.8726, 33.5904, 11.1878

Triad

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



38.5390, 33.5904, 13.4692



20.9887, 33.5904, 36.7295



38.6454, 33.5904, 77.0262

Complementary

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



38.5390, 33.5904, 13.4692



28.5109, 31.9705, 67.6189

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.



31.9808, 33.5904, 85.3130



38.5390, 33.5904, 13.4692



22.3015, 33.5904, 57.7303

Square

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



38.5390, 33.5904, 13.4692



22.2589, 33.5904, 21.5322



26.1175, 33.5904, 77.2812



44.0528, 33.5904, 57.3670

Rectangle

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



38.5390, 33.5904, 13.4692



27.7937, 33.5904, 12.2221



26.1175, 33.5904, 77.2812



36.4503, 33.5904, 81.4819

Sweetspot

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



38.5398, 33.5921, 13.4698



80.6170, 81.5805, 71.8842



37.2379, 23.5184, 36.0646



16.8125, 16.8835, 14.2902



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.



38.5398, 33.5921, 13.4698



53.3987, 43.6025, 12.0714



50.3989, 57.3103, 17.4229



12.8483, 13.2708, 13.0450



19.0710, 13.2593, 1.5541



1.2312, 0.9615, 0.1207

Inverse Universe

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



28.5109, 31.9705, 67.6189



36.9577, 40.8488, 100.5445



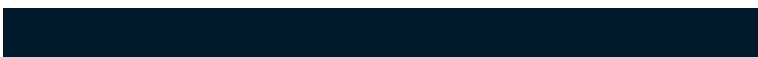
20.2620, 15.4728, 64.8693



12.3341, 13.1917, 15.8337



11.7961, 11.8541, 40.1195



0.7926, 0.8771, 2.4468

Previews

White Background



This preview shows how the XYZ color 38.5390, 33.5904, 13.4692 looks on a white background.

Color Contrast Check

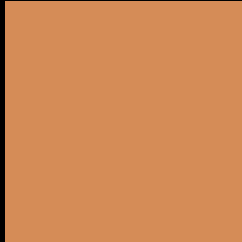
Large Text (above 18pt) WCAG AA × Fail

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 38.5390, 33.5904, 13.4692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

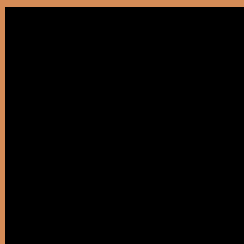
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5390, 33.5904, 13.4692

Background



This preview shows how black text looks on a background with the XYZ color 38.5390, 33.5904, 13.4692.



This preview shows how white text looks on a background with the XYZ color 38.5390, 33.5904,

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

38.5390, 33.5904, 13.4692

Protanopia

31.0460, 33.6749, 15.2195

Deuteranopia

34.2843, 33.6750, 13.2873



Tritanopia

41.9607, 33.5099, 30.2431

Trichromacy



Original Color

38.5390, 33.5904, 13.4692

Protanomaly

33.4485, 33.4533, 14.5917

Deuteranomaly

35.7780, 33.5090, 13.3863

Tritanomaly

40.6982, 33.6373, 23.0865

Monochromacy



Original Color

38.5390, 33.5904, 13.4692

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.1345, 32.7985, 26.0571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5390, 33.5904, 13.4692 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, 140, 87)` looks like.

```
.text, #text, p{  
    color:rgb(213, 140, 87)  
}
```

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, 140, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 140, 87) }
```

Border

The CSS property to change the border of an element to XYZ 38.5390, 33.5904, 13.4692 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, 140, 87) }
```


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

```
.border{ border-color:rgb(213, 140, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 140, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 140, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 140, 87);  
box-shadow:4px 4px 4px 4px rgb(213, 140,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5390, 33.5904, 13.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 140, 87) }
```

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

```
.background{ background-color: rgb(213,  
140, 87) }
```

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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