

Converting Colors

XYZ(38.5486, 38.1207, 10.6633)

Have a look what the booklet for
XYZ(38.5486, 38.1207, 10.6633)
contains.

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Color

**XYZ(38.5881, 38.1807,
10.6460)**

Conversions

Conversions Part 1

Format	Color
Hex	CD9F43
RGB	205, 159, 67
RGB Percent	80%, 62%, 26%
CMY	0.1961, 0.3764, 0.7372
CMYK	0.00, 0.22, 0.67, 0.20
HSL	40°, 58%, 53%
HSV	40°, 67%, 80%
XYZ	38.5881, 38.1807, 10.6460
YIQ	162.2660, 56.9480, -18.8600

Conversions

Conversions Part 2

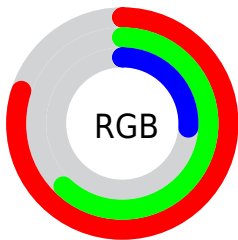
Format	Color
RYB	136, 205, 67
Decimal	13475651
CIELab	68.15, 7.50, 52.95
CIElCh	68, 53.483, 81.937
Yxy	38.1807, 0.4414, 0.4368
Android (android.graphics.Color)	4291665731 (0xFFCD9F43)
YUV	162.2660, -46.9661, 37.4777
Hunter-Lab	61.7905, 3.3396, 33.0382

Details

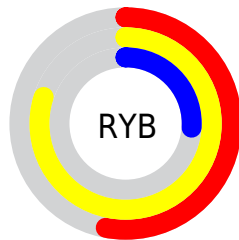
The XYZ color **38.5881, 38.1807, 10.6460** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **19.2390, 17.4106, 60.1038**, and the grayscale version is **34.6631, 36.4683, 39.7140**.

A 20% lighter version of the original color is **68.3640, 70.1804, 27.3958**, and **17.4445, 16.9479, 2.6103** is the 20% darker color. If you saturate the color by 10%, you get **36.9361, 35.6930, 7.5797**, and if you desaturate by 10%, it is **40.5244, 40.8891, 14.8814**.

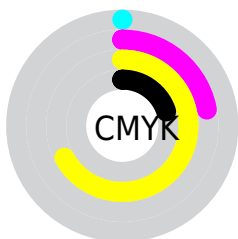
Distribution



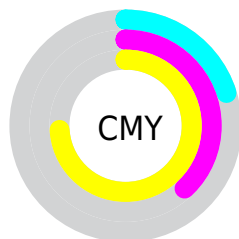
- Red (80%)
- Green (62%)
- Blue (26%)



- Red (53%)
- Yellow (80%)
- Blue (26%)



- Cyan (0%)
- Magenta (22%)
- Yellow (67%)
- Black (20%)



- Cyan (20%)
- Magenta (38%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5881, 38.1807, 10.6460 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 38.5881, 38.1807, 10.6460 by changing the saturation by 10% instead.

■ 38.5881, 38.1807,
10.6460

■ 38.5881, 38.1807,
10.6460

331.3735,
338.3945, 205.8720

■ 26.6187, 26.1230,
5.7182

■ 72.3068, 72.3850,
27.6303

■ 17.4222, 16.9157,
2.6085

■ 94.7868, 95.3004,
40.5238

■ 10.6331, 10.1744,
0.8968

■ 121.5010,
122.6038, 56.9096

■ 5.8862, 5.5147,
0.0000

■ 152.8149,
154.6795, 77.2062

■ 2.8160, 2.5523,
0.0000

■ 189.0937,
191.9121, 101.8322

■ 1.0572, 0.9028,
0.0000

230.7028,

■ 0.0000, 0.0000,

234.6859, 131.2062

0.0000

278.0076,
283.3852, 165.7466

■ 38.5881, 38.1807,
10.6460

■ 38.5881, 38.1807,
10.6460

■ 36.9361, 35.6930,
7.5797

■ 40.5244, 40.8891,
14.8814

■ 35.5407, 33.4087,
5.5528

■ 42.7641, 43.8228,
20.3929

■ 34.3684, 31.3142,
4.3909

■ 45.3273, 46.9932,
27.2775

■ 34.0760, 30.7778,
4.1447

■ 48.2314, 50.4086,
35.6226

■ 51.4926, 54.0770,
45.5079

■ 55.1257, 58.0058,
57.0074

■ 59.1447, 62.2023,
70.1904

■ 63.5629, 66.6730,
85.1220

■ 68.3928, 71.4243,
101.8640

Harmonies

Analogous

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



47.1133, 38.1807, 14.8653



38.5881, 38.1807, 10.6460



30.6170, 38.1807, 11.8476

Triad

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



38.5881, 38.1807, 10.6460



23.3433, 38.1807, 61.2204



50.4520, 38.1807, 76.8451

Complementary

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



38.5881, 38.1807, 10.6460



19.2390, 17.4106, 60.1038

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.



42.6228, 38.1807, 100.4591



38.5881, 38.1807, 10.6460



27.2653, 38.1807, 89.2887

Square

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



38.5881, 38.1807, 10.6460



22.6034, 38.1807, 35.4515



34.0843, 38.1807, 105.7240



54.6163, 38.1807, 48.3599

Rectangle

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



38.5881, 38.1807, 10.6460



26.5841, 38.1807, 15.8944



34.0843, 38.1807, 105.7240



48.1093, 38.1807, 86.0049

Sweetspot

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



38.5890, 38.1826, 10.6467



82.7142, 86.7698, 69.5155



30.1647, 18.1860, 17.5437



17.3765, 18.2046, 13.8828



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.



38.5890, 38.1826, 10.6467



59.3750, 56.6615, 10.6526



42.1358, 54.0127, 13.5153



11.8266, 12.4421, 11.8577



21.3042, 19.3414, 2.6104



1.1670, 1.1337, 0.1573

Inverse Universe

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



19.2390, 17.4106, 60.1038



25.6856, 20.6502, 97.2398



17.2434, 10.5962, 58.8936



10.9022, 11.4448, 14.2048



8.2378, 5.4996, 36.5836



0.4946, 0.4230, 1.9105

Previews

White Background



This preview shows how the XYZ color 38.5881, 38.1807, 10.6460 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 38.5881, 38.1807, 10.6460 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 38.5881, 38.1807, 10.6460

Background



This preview shows how black text looks on a background with the XYZ color 38.5881, 38.1807, 10.6460.



This preview shows how white text looks on a background with the XYZ color 38.5881, 38.1807,

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

38.5881, 38.1807, 10.6460

Protanopia

34.9005, 38.3814, 11.1991

Deuteranopia

38.9721, 38.1244, 10.6149



Tritanopia

44.3318, 38.0651, 38.7290

Trichromacy



Original Color

38.5881, 38.1807, 10.6460

Protanomaly

36.0571, 38.1747, 10.9369

Deuteranomaly

38.6936, 37.9808, 10.6018

Tritanomaly

41.5165, 37.8701, 25.2002

Monochromacy



Original Color

38.5881, 38.1807, 10.6460

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.9357, 36.4870, 25.2801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5881, 38.1807, 10.6460 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(205, 159, 67)` looks like.

```
.text, #text, p{  
    color:rgb(205, 159, 67)  
}
```

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(205, 159, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 159, 67) }
```

Border

The CSS property to change the border of an element to XYZ 38.5881, 38.1807, 10.6460 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(205, 159, 67) }
```


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

```
.border{ border-color:rgb(205, 159, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 159, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 159, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 159, 67);  
box-shadow:4px 4px 4px 4px rgb(205, 159,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5881, 38.1807, 10.6460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 159, 67) }
```

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

```
.background{ background-color: rgb(205,  
159, 67) }
```

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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