

Converting Colors

XYZ(38.4566, 33.0358, 7.4816)

Have a look what the booklet for
XYZ(38.4566, 33.0358, 7.4816)
contains.

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Color

**XYZ(38.4566, 33.0358,
7.4816)**

Conversions

Conversions Part 1

Format	Color
Hex	DA8933
RGB	218, 137, 51
RGB Percent	85%, 54%, 20%
CMY	0.1451, 0.4627, 0.8000
CMYK	0.00, 0.37, 0.77, 0.15
HSL	31°, 69%, 53%
HSV	31°, 77%, 85%
XYZ	38.4566, 33.0358, 7.4816
YIQ	151.4150, 75.8820, -9.5740

Conversions

Conversions Part 2

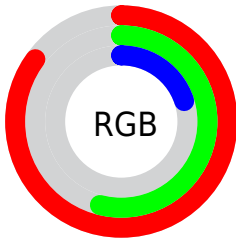
Format	Color
R_{YB}	208, 218, 51
Decimal	14321971
CIE _{Lab}	64.19, 24.17, 56.34
CIE _{LCh}	64, 61.305, 66.785
Yxy	33.0358, 0.4870, 0.4183
Android (android.graphics.Color)	4292512051 (0xFFDA8933)
YUV	151.4150, -49.5046, 58.3950
Hunter-Lab	57.4768, 18.8465, 32.5161

Details

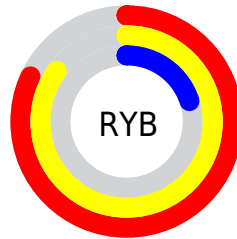
The XYZ color **38.4566, 33.0358, 7.4816** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle muted orange. A complement of this color would be **22.2707, 22.2669, 69.4532**, and the grayscale version is **29.7773, 31.3280, 34.1162**.

A 20% lighter version of the original color is **62.3190, 59.5009, 21.0322**, and **17.5087, 14.0855, 1.7960** is the 20% darker color. If you saturate the color by 10%, you get **36.6539, 30.0279, 5.0397**, and if you desaturate by 10%, it is **40.6333, 36.4318, 11.1595**.

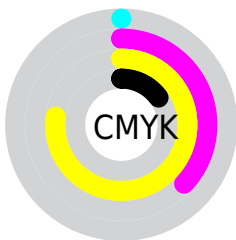
Distribution



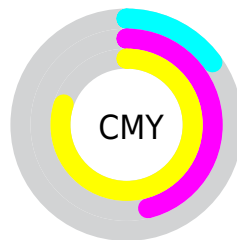
- Red (85%)
- Green (54%)
- Blue (20%)



- Red (82%)
- Yellow (85%)
- Blue (20%)



- Cyan (0%)
- Magenta (37%)
- Yellow (77%)
- Black (15%)





- Cyan (15%)
- Magenta (46%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4566, 33.0358, 7.4816 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 38.4566, 33.0358, 7.4816 by changing the saturation by 10% instead.


 38.4566, 33.0358,
7.4816


 38.4566, 33.0358,
7.4816


330.8217,
315.8110, 181.3875


 26.5161, 22.1539,
3.6821


 72.1068, 64.4314,
21.4649

 17.3448, 13.9700,
1.4526


 94.5473, 85.7139,
32.4857

 10.5775, 8.0998,
0.1822


 121.2184,
111.2320, 46.7507

 5.8487, 4.1589,
0.0000

 152.4856,
141.3702, 64.6784

 2.7931, 1.7628,
0.0000

 188.7141,
176.5128, 86.6875

 1.0453, 0.4638,
0.0000

 230.2694,

 0.0000, 0.0000,

217.0442, 113.1963

0.0000

277.5168,
263.3488, 144.6234

■ 38.4566, 33.0358,
7.4816

■ 38.4566, 33.0358,
7.4816

■ 36.6539, 30.0279,
5.0397

■ 40.6333, 36.4318,
11.1595

■ 35.1831, 27.3802,
3.6431

■ 43.2135, 40.2300,
16.2195

■ 34.7372, 26.5534,
3.2945

■ 46.2259, 44.4494,
22.7891

■ 49.6951, 49.1059,
30.9807

■ 53.6440, 54.2144,
40.8957

■ 58.0934, 59.7888,
52.6273

■ 63.0629, 65.8425,
66.2618

■ 68.5710, 72.3881,
81.8801

■ 74.6351, 79.4377,
99.5582

Harmonies

Analogous

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



46.7711, 33.0358, 14.2524



38.4566, 33.0358, 7.4816



29.4668, 33.0358, 6.3067

Triad

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



38.4566, 33.0358, 7.4816



17.5595, 33.0358, 41.9244



42.5043, 33.0358, 89.5121

Complementary

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



38.4566, 33.0358, 7.4816



22.2707, 22.2669, 69.4532

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.



33.4150, 33.0358, 107.4752



38.4566, 33.0358, 7.4816



19.8294, 33.0358, 72.9037

Square

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



38.4566, 33.0358, 7.4816



18.4118, 33.0358, 20.2136



25.2634, 33.0358, 100.2990



49.3930, 33.0358, 58.3207

Rectangle

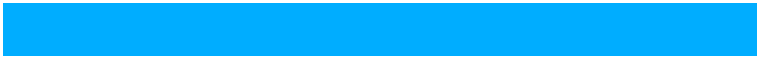
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.4566, 33.0358, 7.4816



24.4563, 33.0358, 7.9325



25.2634, 33.0358, 100.2990



39.5464, 33.0358, 97.8244

Sweetspot

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



38.4573, 33.0375, 7.4822



78.5912, 79.9566, 63.7246



34.4352, 19.0084, 24.5919



16.3461, 16.5117, 12.4050



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.



38.4573, 33.0375, 7.4822



50.9272, 40.4267, 5.7996



54.5819, 65.2866, 12.8571



13.6078, 14.1550, 13.7406



20.9197, 16.1250, 2.0098



1.4414, 1.2170, 0.1589

Inverse Universe

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



22.2707, 22.2669, 69.4532



26.8967, 24.4729, 97.9139



15.2041, 8.1336, 67.0976



12.8573, 13.6543, 16.6100



10.7595, 9.3885, 40.9835



0.7831, 0.7803, 2.6838

Previews

White Background



This preview shows how the XYZ color 38.4566, 33.0358, 7.4816 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 38.4566, 33.0358, 7.4816 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 38.4566, 33.0358, 7.4816

Background



This preview shows how black text looks on a background with the XYZ color 38.4566, 33.0358, 7.4816.



This preview shows how white text looks on a background with the XYZ color 38.4566, 33.0358,

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

38.4566, 33.0358, 7.4816

Protanopia

30.0578, 33.0611, 8.5386

Deuteranopia

33.8679, 33.1208, 7.2972



Tritanopia

42.7380, 32.9613, 28.1544

Trichromacy



Original Color

38.4566, 33.0358, 7.4816

Protanomaly

32.6485, 32.7084, 8.0826

Deuteranomaly

35.4086, 32.9973, 7.2992

Tritanomaly

40.5366, 32.6454, 17.8003

Monochromacy



Original Color

38.4566, 33.0358, 7.4816

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

31.0526, 30.9095, 20.5491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4566, 33.0358, 7.4816 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(218, 137, 51)` looks like.

```
.text, #text, p{  
    color:rgb(218, 137, 51)  
}
```

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(218, 137, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 137, 51) }
```

Border

The CSS property to change the border of an element to XYZ 38.4566, 33.0358, 7.4816 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(218, 137, 51) }
```


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

```
.border{ border-color:rgb(218, 137, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 137, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 137, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 137, 51);  
box-shadow:4px 4px 4px 4px rgb(218, 137,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4566, 33.0358, 7.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 137, 51) }
```

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

```
.background{ background-color: rgb(218,  
137, 51) }
```

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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