

Converting Colors

XYZ(49.8427, 38.2528, 5.4547)

Have a look what the booklet for
XYZ(49.8427, 38.2528, 5.4547)
contains.

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Color

**XYZ(49.9005, 38.3643,
5.4845)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8615
RGB	255, 134, 21
RGB Percent	100%, 53%, 8%
CMY	0.0000, 0.4745, 0.9176
CMYK	0.00, 0.47, 0.92, 0.00
HSL	29°, 100%, 54%
HSV	29°, 92%, 100%
XYZ	49.9005, 38.3643, 5.4845
YIQ	157.2970, 108.3890, -9.4910

Conversions

Conversions Part 2

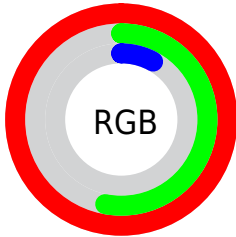
Format	Color
R_{YB}	255, 240, 21
Decimal	16746005
CIE _{Lab}	68.29, 40.05, 71.46
CIE _{LCh}	68, 81.919, 60.733
Yxy	38.3643, 0.5323, 0.4092
Android (android.graphics.Color)	4294936085 (0xFFFF8615)
YUV	157.2970, -67.1944, 85.6855
Hunter-Lab	61.9389, 35.4137, 38.1073

Details

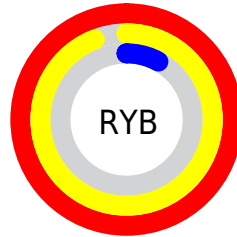
The XYZ color **49.9005, 38.3643, 5.4845** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **28.0321, 26.7250, 98.2882**, and the grayscale version is **32.4424, 34.1319, 37.1697**.

A 20% lighter version of the original color is **60.7462, 57.8356, 15.9444**, and **24.5032, 17.1110, 2.0113** is the 20% darker color. If you saturate the color by 10%, you get **48.3408, 35.4620, 4.2970**, and if you desaturate by 10%, it is **52.2067, 42.3887, 8.0677**.

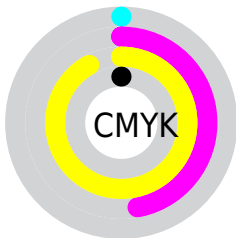
Distribution



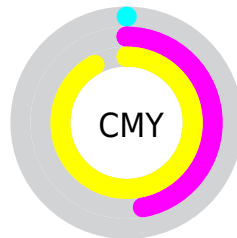
- Red (100%)
- Green (53%)
- Blue (8%)



- Red (100%)
- Yellow (94%)
- Blue (8%)



- Cyan (0%)
- Magenta (47%)
- Yellow (92%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9005, 38.3643, 5.4845 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 49.9005, 38.3643, 5.4845 by changing the saturation by 10% instead.


 49.9005, 38.3643,
5.4845


 49.9005, 38.3643,
5.4845


376.7351,
339.1801, 163.5210

 35.5518, 26.2656,
2.4706


 89.2201, 72.6662,
17.3100


 24.2568, 17.0224,
0.8245


 114.9218, 95.6381,
26.9586

 15.6500, 10.2505,
0.0000


 145.1385,
123.0032, 39.6559

 9.3661, 5.5653,
0.0000

 180.2356,
155.1458, 55.8204

 5.0397, 2.5826,
0.0000

 220.5785,
192.4505, 75.8706

 2.3056, 0.9179,
0.0000

 266.5325,

 0.7975, 0.0000,

235.3015, 100.2251

0.0000

318.4629,
284.0832, 129.3024

■ 0.0000, 0.0000,
0.0000

■ 49.9005, 38.3643,
5.4845

■ 49.9005, 38.3643,
5.4845

■ 48.3408, 35.4620,
4.2970

■ 52.2067, 42.3887,
8.0677

■ 55.0462, 47.0009,
12.3029

■ 58.4731, 52.2363,
18.4343

■ 62.5325, 58.1244,
26.6644

■ 67.2644, 64.6923,
37.1693

72.7048, 71.9650,
50.1064

78.8869, 79.9659,
65.6188

85.8416, 88.7172,
83.8385

93.5977, 98.2400,
104.8883

Harmonies

Analogous

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



62.0401, 38.3643, 15.0727



49.9005, 38.3643, 5.4845



36.1493, 38.3643, 3.4705

Triad

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



49.9005, 38.3643, 5.4845



16.9433, 38.3643, 42.6830



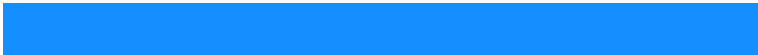
50.5777, 38.3643, 136.6633

Complementary

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



49.9005, 38.3643, 5.4845



28.0321, 26.7250, 98.2882

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.



36.7808, 38.3643, 159.7004



49.9005, 38.3643, 5.4845



19.1063, 38.3643, 89.2709

Square

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



49.9005, 38.3643, 5.4845



18.9018, 38.3643, 15.8806



25.6861, 38.3643, 138.6659



62.4912, 38.3643, 86.6974

Rectangle

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



49.9005, 38.3643, 5.4845



28.4105, 38.3643, 4.4152



25.6861, 38.3643, 138.6659



45.9119, 38.3643, 148.7874

Sweetspot

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



49.9013, 38.3664, 5.4852



74.9422, 74.8887, 55.6330



46.6810, 23.8656, 29.2600



15.4934, 15.3134, 10.5575



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.



49.9013, 38.3664, 5.4852



48.3411, 35.4622, 4.2970



74.6970, 87.9577, 13.7504



18.7333, 19.4348, 18.9083



25.4072, 18.8255, 2.2946



2.5826, 2.0505, 0.2597

Inverse Universe

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



28.0321, 26.7250, 98.2882



26.2815, 23.6830, 97.7938



18.7939, 8.2487, 95.2088



17.7799, 18.9315, 22.9670



13.8830, 12.6756, 51.1495



1.4612, 1.4530, 5.0167

Previews

White Background



This preview shows how the XYZ color 49.9005, 38.3643, 5.4845 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 49.9005, 38.3643, 5.4845 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 49.9005, 38.3643, 5.4845

Background



This preview shows how black text looks on a background with the XYZ color 49.9005, 38.3643, 5.4845.



This preview shows how white text looks on a background with the XYZ color 49.9005, 38.3643,

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

49.9005, 38.3643, 5.4845

Protanopia

34.8051, 38.4277, 6.8792

Deuteranopia

39.0908, 38.3026, 5.3328



Tritanopia

53.4031, 38.4759, 27.9045

Trichromacy



Original Color

49.9005, 38.3643, 5.4845

Protanomaly

39.0706, 37.5189, 6.2195

Deuteranomaly

42.4698, 37.8433, 5.2958

Tritanomaly

51.2430, 38.0334, 15.2301

Monochromacy



Original Color

49.9005, 38.3643, 5.4845

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.4465, 33.9151, 18.8654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9005, 38.3643, 5.4845 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(255, 134, 21)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 21)  
}
```

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(255, 134, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 21) }
```

Border

The CSS property to change the border of an element to XYZ 49.9005, 38.3643, 5.4845 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(255, 134, 21) }
```


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

```
.border{ border-color:rgb(255, 134, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 21);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9005, 38.3643, 5.4845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 21) }
```

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

```
.background{ background-color: rgb(255,  
134, 21) }
```

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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