

Converting Colors

XYZ(49.4725, 38.1539, 6.9104)

Have a look what the booklet for
XYZ(49.4725, 38.1539, 6.9104)
contains.

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Color

**XYZ(49.4510, 38.1000,
6.9382)**

Conversions

Conversions Part 1

Format	Color
Hex	FD862A
RGB	253, 134, 42
RGB Percent	99%, 53%, 16%
CMY	0.0078, 0.4745, 0.8353
CMYK	0.00, 0.47, 0.83, 0.01
HSL	26°, 98%, 58%
HSV	26°, 83%, 99%
XYZ	49.4510, 38.1000, 6.9382
YIQ	159.0930, 100.4560, -3.3840

Conversions

Conversions Part 2

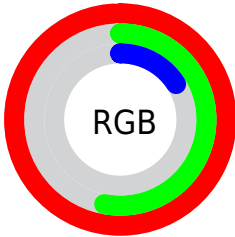
Format	Color
R _Y B	253, 205, 42
Decimal	16614954
CIE Lab	68.09, 39.67, 65.11
CIE LCh	68, 76.240, 58.646
Yxy	38.1000, 0.5234, 0.4032
Android (android.graphics.Color)	4294805034 (0xFFFD862A)
YUV	159.0930, -57.7268, 82.3564
Hunter-Lab	61.7252, 34.9858, 36.5432

Details

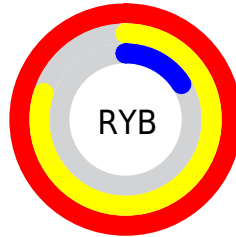
The XYZ color **49.4510, 38.1000, 6.9382** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **31.4284, 33.0720, 97.6548**, and the grayscale version is **33.2222, 34.9523, 38.0631**.

A 20% lighter version of the original color is **61.5489, 58.4997, 19.1139**, and **24.0036, 16.8534, 1.9879** is the 20% darker color. If you saturate the color by 10%, you get **47.2918, 34.2925, 4.6448**, and if you desaturate by 10%, it is **52.1631, 42.5578, 10.8232**.

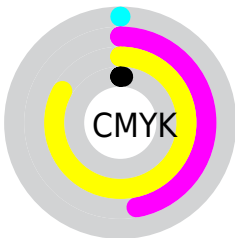
Distribution



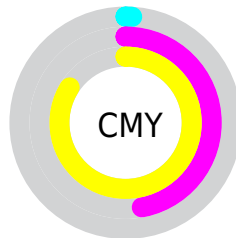
- Red (99%)
- Green (53%)
- Blue (16%)



- Red (99%)
- Yellow (80%)
- Blue (16%)



- Cyan (0%)
- Magenta (47%)
- Yellow (83%)
- Black (1%)





- Cyan (1%)
- Magenta (47%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4510, 38.1000, 6.9382 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 49.4510, 38.1000, 6.9382 by changing the saturation by 10% instead.


 49.4510, 38.1000,
6.9382


 49.4510, 38.1000,
6.9382


375.0027,
338.0487, 176.7606

 35.1934, 26.0603,
3.3456


 88.5576, 72.2614,
20.3595

 23.9791, 16.8688,
1.2737


 114.1373, 95.1519,
31.0254

 15.4428, 10.1410,
0.0401


 144.2218,
122.4281, 44.8860

 9.2190, 5.4925,
0.0000

 179.1764,
154.4744, 62.3600

 4.9426, 2.5390,
0.0000

 219.3664,
191.6752, 83.8660

 2.2480, 0.8961,
0.0000

 265.1572,

 0.7679, 0.0000,

234.4150, 109.8223

0.0000

316.9142,
283.0780, 140.6477

■ 0.0000, 0.0000,
0.0000

■ 49.4510, 38.1000,
6.9382

■ 49.4510, 38.1000,
6.9382

■ 47.2918, 34.2925,
4.6448

■ 52.1631, 42.5578,
10.8232

■ 46.1182, 32.1035,
3.7659

■ 55.4823, 47.6984,
16.5466

■ 59.4569, 53.5581,
24.3135

■ 64.1292, 60.1681,
34.3010

■ 69.5371, 67.5575,
46.6669

75.7155, 75.7534,
61.5543

82.6970, 84.7816,
79.0948

90.5120, 94.6665,
99.4110

94.3177, 99.6225,
108.8657

Harmonies

Analogous

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



60.1954, 38.1000, 17.3561



49.4510, 38.1000, 6.9382



36.7555, 38.1000, 4.4269

Triad

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



49.4510, 38.1000, 6.9382



17.8359, 38.1000, 39.9572



48.3088, 38.1000, 129.4941

Complementary

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



49.4510, 38.1000, 6.9382



31.4284, 33.0720, 97.6548

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.



35.6756, 38.1000, 147.3246



49.4510, 38.1000, 6.9382



19.6335, 38.1000, 81.4293

Square

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



49.4510, 38.1000, 6.9382



19.9947, 38.1000, 15.9005



25.5772, 38.1000, 126.2192



59.4409, 38.1000, 85.7008

Rectangle

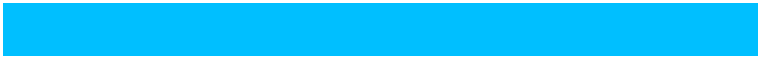
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.4510, 38.1000, 6.9382



29.3876, 38.1000, 5.2409



25.5772, 38.1000, 126.2192



44.0208, 38.1000, 139.5141

Sweetspot

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



49.4518, 38.1021, 6.9389



76.0156, 75.7208, 60.0437



47.8190, 25.1319, 36.3119



15.7875, 15.5694, 11.6794



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.



49.4518, 38.1021, 6.9389



46.9455, 32.6709, 3.8318



71.7724, 82.7432, 14.3791



18.6610, 19.2901, 18.8842



24.6723, 17.3558, 2.0496



2.5086, 1.9026, 0.2350

Inverse Universe

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



31.4284, 33.0720, 97.6548



27.9941, 27.1083, 98.3647



20.1020, 10.4192, 93.8793



17.8531, 19.0777, 22.9914



14.7789, 14.4673, 51.4481



1.5477, 1.6262, 5.0456

Previews

White Background



This preview shows how the XYZ color 49.4510, 38.1000, 6.9382 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 49.4510, 38.1000, 6.9382 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 49.4510, 38.1000, 6.9382

Background



This preview shows how black text looks on a background with the XYZ color 49.4510, 38.1000, 6.9382.



This preview shows how white text looks on a background with the XYZ color 49.4510, 38.1000,

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

49.4510, 38.1000, 6.9382

Protanopia

34.8880, 38.4325, 8.5970

Deuteranopia

39.0525, 38.2543, 6.6218



Tritanopia

53.2025, 38.1880, 27.4886

Trichromacy



Original Color

49.4510, 38.1000, 6.9382

Protanomaly

39.0984, 37.4968, 7.8662

Deuteranomaly

42.4148, 37.7850, 6.6478

Tritanomaly

51.2046, 37.9757, 16.9432

Monochromacy



Original Color

49.4510, 38.1000, 6.9382

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.0511, 34.4111, 21.2649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4510, 38.1000, 6.9382 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(253, 134, 42)` looks like.

```
.text, #text, p{  
    color:rgb(253, 134, 42)  
}
```

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(253, 134, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 134, 42) }
```

Border

The CSS property to change the border of an element to XYZ 49.4510, 38.1000, 6.9382 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(253, 134, 42) }
```


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

```
.border{ border-color:rgb(253, 134, 42) }
```

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

Here you see how a box with a 4 pixel rgb(253, 134, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 134, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 134, 42);  
box-shadow:4px 4px 4px 4px rgb(253, 134,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4510, 38.1000, 6.9382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 134, 42) }
```

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

```
.background{ background-color: rgb(253,  
134, 42) }
```

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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