

Converting Colors

XYZ(50.3561, 39.1073, 6.1567)

Have a look what the booklet for
XYZ(50.3561, 39.1073, 6.1567)
contains.

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Color

**XYZ(50.4330, 39.2502,
6.2143)**

Conversions

Conversions Part 1

Format	Color
Hex	FF891F
RGB	255, 137, 31
RGB Percent	100%, 54%, 12%
CMY	0.0000, 0.4627, 0.8784
CMYK	0.00, 0.46, 0.88, 0.00
HSL	28°, 100%, 56%
HSV	28°, 88%, 100%
XYZ	50.4330, 39.2502, 6.2143
YIQ	160.1980, 104.3540, -7.9500

Conversions

Conversions Part 2

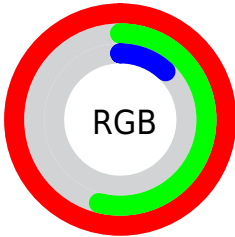
Format	Color
R _Y B	255, 232, 31
Decimal	16746783
CIE Lab	68.93, 38.70, 69.43
CIE LCh	69, 79.490, 60.864
Yxy	39.2502, 0.5259, 0.4093
Android (android.graphics.Color)	4294936863 (0xFFFF891F)
YUV	160.1980, -63.6946, 83.1414
Hunter-Lab	62.6500, 34.0544, 37.9740

Details

The XYZ color **50.4330, 39.2502, 6.2143** 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 **29.3621, 29.0052, 98.6581**, and the grayscale version is **33.7575, 35.5155, 38.6763**.

A 20% lighter version of the original color is **61.8511, 59.6639, 17.4889**, and **24.7344, 17.5734, 2.0884** is the 20% darker color. If you saturate the color by 10%, you get **48.4244, 35.5810, 4.4737**, and if you desaturate by 10%, it is **52.9427, 43.5038, 9.4132**.

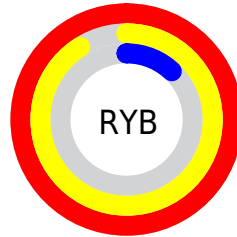
Distribution



Red (100%)

Green (54%)

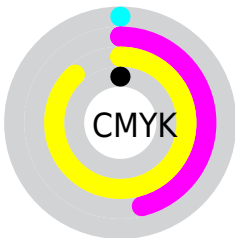
Blue (12%)



Red (100%)

Yellow (91%)

Blue (12%)

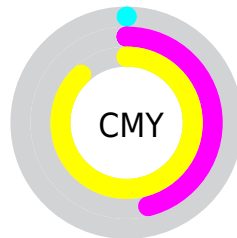


Cyan (0%)

Magenta (46%)

Yellow (88%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4330, 39.2502, 6.2143 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 50.4330, 39.2502, 6.2143 by changing the saturation by 10% instead.

50.4330, 39.2502,
6.2143

50.4330, 39.2502,
6.2143

378.7809,
342.9531, 170.3407

35.9768, 26.9544,
2.9049

90.0041, 74.0204,
18.8594

24.5863, 17.5390,
1.0463

115.8497, 97.2636,
29.0322

15.8962, 10.6195,
0.0000

146.2224,
124.9247, 42.3299

9.5411, 5.8116,
0.0000

181.4876,
157.3882, 59.1710

5.1557, 2.7309,
0.0000

222.0108,
195.0383, 79.9741

2.3746, 0.9929,
0.0000

268.1571,

0.8324, 0.0000,

238.2596, 105.1578

0.0000

320.2920,
287.4364, 135.1405

■ 0.0000, 0.0000,
0.0000

■ 50.4330, 39.2502,
6.2143

■ 50.4330, 39.2502,
6.2143

■ 48.4244, 35.5810,
4.4737

■ 52.9427, 43.5038,
9.4132

■ 48.0377, 34.8558,
4.1960

■ 56.0156, 48.3744,
14.3685

■ 59.7026, 53.8969,
21.3061

■ 64.0473, 60.1006,
30.4170

■ 69.0881, 67.0123,
41.8694

■ 74.8603, 74.6574,
55.8148

■ 81.3965, 83.0595,
72.3918

■ 88.7271, 92.2410,
91.7286

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



62.2956, 39.2502, 16.0530



50.4330, 39.2502, 6.2143



36.9409, 39.2502, 4.0850

Triad

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



50.4330, 39.2502, 6.2143



17.9013, 39.2502, 43.7949



51.2130, 39.2502, 134.6390

Complementary

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



50.4330, 39.2502, 6.2143



29.3621, 29.0052, 98.6581

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.



37.6738, 39.2502, 156.9308



50.4330, 39.2502, 6.2143



20.0926, 39.2502, 89.3057

Square

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



50.4330, 39.2502, 6.2143



19.8510, 39.2502, 17.0180



26.6810, 39.2502, 136.9069



62.8128, 39.2502, 86.3675

Rectangle

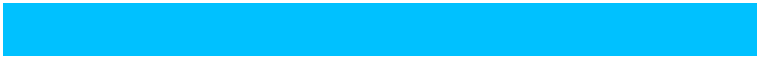
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.4330, 39.2502, 6.2143



29.3033, 39.2502, 5.1134



26.6810, 39.2502, 136.9069



46.6476, 39.2502, 146.3355

Sweetspot

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



50.4339, 39.2523, 6.2150



76.0058, 76.1472, 58.6655



47.2727, 24.4572, 31.2816



15.8118, 15.7034, 11.4248



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.



50.4339, 39.2523, 6.2150



48.0380, 34.8560, 4.1960



74.9110, 88.2067, 14.3740



18.7183, 19.4048, 18.9033



25.2478, 18.5069, 2.2415



2.5667, 2.0187, 0.2544

Inverse Universe

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



29.3621, 29.0052, 98.6581



26.6200, 24.3600, 97.9067



19.3234, 8.9279, 95.3119



17.7950, 18.9616, 22.9720



14.0603, 13.0302, 51.2086



1.4784, 1.4876, 5.0225

Previews

White Background



This preview shows how the XYZ color 50.4330, 39.2502, 6.2143 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 50.4330, 39.2502, 6.2143 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 50.4330, 39.2502, 6.2143

Background



This preview shows how black text looks on a background with the XYZ color 50.4330, 39.2502, 6.2143.



This preview shows how white text looks on a background with the XYZ color 50.4330, 39.2502,

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

50.4330, 39.2502, 6.2143

Protanopia

35.7894, 39.4696, 7.6515

Deuteranopia

40.0607, 39.3075, 5.7341



Tritanopia

54.0165, 39.3567, 29.1757

Trichromacy



Original Color

50.4330, 39.2502, 6.2143

Protanomaly

40.1070, 38.5375, 6.9937

Deuteranomaly

43.3243, 38.9909, 5.7729

Tritanomaly

51.9278, 38.9552, 16.8388

Monochromacy



Original Color

50.4330, 39.2502, 6.2143

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.7145, 35.2508, 20.4918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4330, 39.2502, 6.2143 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, 137, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 31)  
}
```

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, 137, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 31) }
```

Border

The CSS property to change the border of an element to XYZ 50.4330, 39.2502, 6.2143 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, 137, 31) }
```


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

```
.border{ border-color:rgb(255, 137, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4330, 39.2502, 6.2143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 31) }
```

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

```
.background{ background-color: rgb(255,  
137, 31) }
```

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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