

Converting Colors

XYZ(50.3030, 39.3860, 4.9510)

Have a look what the booklet for
XYZ(50.3030, 39.3860, 4.9510)
contains.

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Color

**XYZ(50.3285, 39.4370,
4.9595)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8A00
RGB	255, 138, 0
RGB Percent	100%, 54%, 0%
CMY	0.0000, 0.4588, 1.0000
CMYK	0.00, 0.46, 1.00, 0.00
HSL	32°, 100%, 50%
HSV	32°, 100%, 100%
XYZ	50.3285, 39.4370, 4.9595
YIQ	157.2510, 114.0300, -18.1140

Conversions

Conversions Part 2

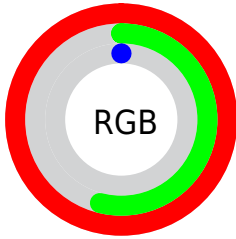
Format	Color
R_{YB}	216, 255, 0
Decimal	16747008
CIE _{Lab}	69.07, 37.84, 75.24
CIE _{LCh}	69, 84.221, 63.300
Yxy	39.4370, 0.5313, 0.4163
Android (android.graphics.Color)	4294937088 (0xFFFF8A00)
YUV	157.2510, -77.5247, 85.7259
Hunter-Lab	62.7989, 33.1560, 39.2768

Details

The XYZ color **50.3285, 39.4370, 4.9595** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **24.4115, 19.9431, 97.1697**, and the grayscale version is **32.4653, 34.1560, 37.1959**.

A 20% lighter version of the original color is **61.3257, 59.4537, 14.7221**, and **24.8136, 17.7319, 2.1148** is the 20% darker color. If you saturate the color by 10%, you get **50.3286, 39.4376, 4.9596**, and if you desaturate by 10%, it is **52.2805, 43.0518, 6.5032**.

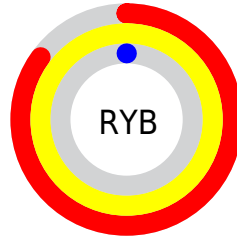
Distribution



Red (100%)

Green (54%)

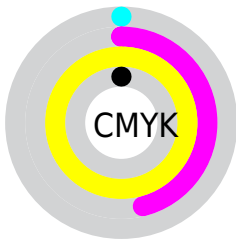
Blue (0%)



Red (85%)

Yellow (100%)

Blue (0%)

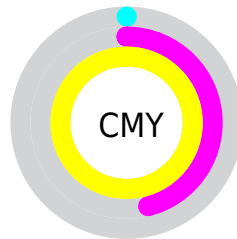


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3285, 39.4370, 4.9595 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 50.3285, 39.4370, 4.9595 by changing the saturation by 10% instead.


 50.3285, 39.4370,
4.9595

 50.3285, 39.4370,
4.9595


378.3800,
343.7449, 158.3581

 35.8934, 27.0999,
2.1652

 89.8503, 74.3054,
16.1683


 24.5216, 17.6482,
0.6542


 115.6677, 97.6055,
25.4199


 15.8478, 10.6977,
0.0000


 146.0099,
125.3287, 37.6610

 9.5067, 5.8640,
0.0000

 181.2422,
157.8594, 53.3102

 5.1329, 2.7625,
0.0000

 221.7300,
195.5819, 72.7859


 2.3610, 1.0091,
0.0000

 267.8387,


 0.8256, 0.0000,


238.8808, 96.5068


0.0000


 319.9335,
288.1403, 124.8914


 0.0000, 0.0000,
0.0000


 50.3285, 39.4370,
4.9595


 50.3285, 39.4370,
4.9595


 50.3286, 39.4376,
4.9596

 52.2805, 43.0518,
6.5032

 54.6536, 47.1313,
9.3499

 57.5261, 51.7169,
13.8814

 60.9470, 56.8364,
20.3315

 64.9581, 62.5141,
28.8964

69.5964, 68.7722,
39.7479

74.8953, 75.6315,
53.0397

80.8855, 83.1111,
68.9123

87.5957, 91.2292,
87.4951

Harmonies

Analogous

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



63.4820, 39.4370, 13.7857



50.3285, 39.4370, 4.9595



36.0166, 39.4370, 3.3364

Triad

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



50.3285, 39.4370, 4.9595



17.1583, 39.4370, 47.3402



53.5279, 39.4370, 139.1900

Complementary

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



50.3285, 39.4370, 4.9595



24.4115, 19.9431, 97.1697

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.



38.9901, 39.4370, 167.2191



50.3285, 39.4370, 4.9595



19.7745, 39.4370, 97.7022

Square

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



50.3285, 39.4370, 4.9595



18.8197, 39.4370, 17.5405



27.0345, 39.4370, 148.7253



65.6178, 39.4370, 85.4920

Rectangle

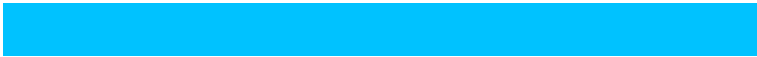
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.3285, 39.4370, 4.9595



28.1672, 39.4370, 4.5324



27.0345, 39.4370, 148.7253



48.6565, 39.4370, 153.0130

Sweetspot

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



50.3294, 39.4391, 4.9602



74.8934, 75.6289, 53.0337



44.5699, 22.5921, 19.4661



15.5344, 15.5528, 10.0863



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.



50.3294, 39.4391, 4.9602



50.3290, 39.4379, 4.9597



73.9413, 91.2027, 13.7071



18.8239, 19.6159, 18.9385



26.4492, 20.9096, 2.6419



2.6846, 2.2545, 0.2937

Inverse Universe

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



24.4115, 19.9431, 97.1697



24.4109, 19.9418, 97.1703



18.1565, 7.2751, 95.0542



17.6897, 18.7510, 22.9369



12.9005, 10.7107, 50.8220



1.3638, 1.2583, 4.9843

Previews

White Background



This preview shows how the XYZ color 50.3285, 39.4370, 4.9595 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 50.3285, 39.4370, 4.9595 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 50.3285, 39.4370, 4.9595

Background



This preview shows how black text looks on a background with the XYZ color 50.3285, 39.4370, 4.9595.



This preview shows how white text looks on a background with the XYZ color 50.3285, 39.4370,

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

50.3285, 39.4370, 4.9595

Protanopia

35.9959, 39.8800, 6.5099

Deuteranopia

40.3024, 39.4378, 5.4881



Tritanopia

54.0899, 39.3860, 29.5624

Trichromacy



Original Color

50.3285, 39.4370, 4.9595

Protanomaly

40.0311, 38.7789, 5.7560

Deuteranomaly

43.5413, 39.1145, 5.2550

Tritanomaly

51.5683, 39.0315, 14.2671

Monochromacy



Original Color

50.3285, 39.4370, 4.9595

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.1989, 34.0702, 16.7776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3285, 39.4370, 4.9595 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, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 0)  
}
```

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, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 0) }
```

Border

The CSS property to change the border of an element to XYZ 50.3285, 39.4370, 4.9595 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, 138, 0) }
```


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

```
.border{ border-color:rgb(255, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3285, 39.4370, 4.9595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 0) }
```

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

```
.background{ background-color: rgb(255,  
138, 0) }
```

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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