

Converting Colors

$Y_{xy}(48.2780, 0.5076, 0.4087)$

Have a look what the booklet for
Yxy(48.2780, 0.5076, 0.4087)
contains.

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Color

Yxy(44.9882, 0.4958, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B38
RGB	255, 155, 56
RGB Percent	100%, 61%, 22%
CMY	0.0001, 0.3921, 0.7805
CMYK	0.00, 0.39, 0.78, 0.00
HSL	30°, 100%, 61%
HSV	30°, 78%, 100%
XYZ	53.6698, 44.9882, 9.5908
YIQ	173.6140, 91.3790, -9.5890

Conversions

Conversions Part 2

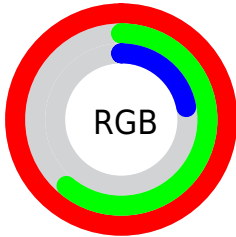
Format	Color
RYB	255, 253, 56
Decimal	16751416
CIELab	72.88, 30.15, 64.26
CIELCh	73, 70.982, 64.866
Yxy	44.9882, 0.4958, 0.4156
Android (android.graphics.Color)	4294941496 (0xFFFF9B38)
YUV	173.6140, -57.9837, 71.3755
Hunter-Lab	67.0732, 25.4515, 38.4734

Details

The Yxy color **44.9882, 0.4958, 0.4156** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **31.8104, 0.1942, 0.1958**, and the grayscale version is **42.3868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4790, 0.4193, 0.4280**, and **20.9070, 0.5304, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **40.7616, 0.5203, 0.4144**, and if you desaturate by 10%, it is **49.7985, 0.4686, 0.4115**.

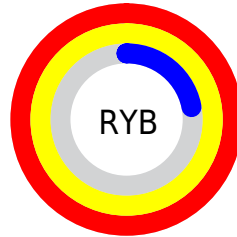
Distribution



Red (100%)

Green (61%)

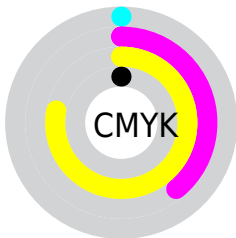
Blue (22%)



Red (100%)

Yellow (99%)

Blue (22%)

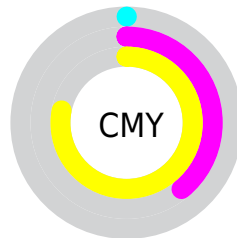


Cyan (0%)

Magenta (39%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (39%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9882, 0.4958, 0.4156 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 Yxy color 44.9882, 0.4958, 0.4156 by changing the saturation by 10% instead.


 44.9882, 0.4958,
0.4156

 44.9882, 0.4958,
0.4156


366.7258, 0.4091,
0.3836


 31.4481, 0.5139,
0.4191


 82.7027, 0.4666,
0.4073

 20.9403, 0.5348,
0.4209


 107.6459, 0.4549,
0.4031

 13.0804, 0.5586,
0.4197

 137.1590, 0.4446,
0.3992

 7.4839, 0.5867,
0.4133

 171.6263, 0.4357,
0.3956

 3.7665, 0.6096,
0.3904

 211.4322, 0.4278,
0.3922

 1.5438, 0.6456,
0.3544

 256.9612, 0.4209,

 0.3193, 0.7677,

0.3891

0.2323

308.5976, 0.4147,
0.3863

0.0000, 0.0000,
0.0000

44.9882, 0.4958,
0.4156

44.9882, 0.4958,
0.4156

40.7616, 0.5203,
0.4144

49.7985, 0.4686,
0.4115

37.0746, 0.5406,
0.4077

55.2158, 0.4406,
0.4033

36.4122, 0.5443,
0.4060

61.2698, 0.4133,
0.3920

67.9854, 0.3878,
0.3792

75.3858, 0.3646,
0.3656

■ 83.4930, 0.3439,
0.3521

■ 92.3276, 0.3257,
0.3390

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



44.9882, 0.5035, 0.3465



44.9882, 0.4958, 0.4156



44.9882, 0.4365, 0.4816

Triad

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



44.9882, 0.4958, 0.4156



44.9882, 0.1882, 0.3653



44.9882, 0.2498, 0.1943

Complementary

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



44.9882, 0.4958, 0.4156



31.8104, 0.1942, 0.1958

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.



44.9882, 0.1846, 0.1854



44.9882, 0.4958, 0.4156



44.9882, 0.1532, 0.2644

Square

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



44.9882, 0.4958, 0.4156



44.9882, 0.2594, 0.4734



44.9882, 0.1530, 0.2059



44.9882, 0.3456, 0.2283

Rectangle

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



44.9882, 0.4958, 0.4156



44.9882, 0.3807, 0.5109



44.9882, 0.1530, 0.2059



44.9882, 0.2242, 0.1883

Sweetspot

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



44.9905, 0.4958, 0.4156



79.4051, 0.3538, 0.3587



26.5771, 0.4415, 0.2400



16.3787, 0.3614, 0.3636



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.9905, 0.4958, 0.4156



38.5129, 0.5329, 0.4110



90.9527, 0.4147, 0.4920



19.4806, 0.3282, 0.3409



19.3273, 0.5417, 0.4081



2.1001, 0.5240, 0.4221

Inverse Universe

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



31.8104, 0.1942, 0.1958



24.8470, 0.1803, 0.1658



11.2151, 0.1659, 0.0875



18.8855, 0.2979, 0.3169



12.1495, 0.1773, 0.1581



1.4014, 0.1830, 0.1786

Previews

White Background



This preview shows how the Yxy color 44.9882, 0.4958, 0.4156 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 Yxy color 44.9882, 0.4958, 0.4156 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](#).

Yxy 44.9882, 0.4958, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 44.9882, 0.4958, 0.4156.



This preview shows how white text looks on a background with the Yxy color 44.9882, 0.4958, 0.4156.

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

44.9882, 0.4958, 0.4156

Protanopia

45.2808, 0.4205, 0.4639

Deuteranopia

44.9873, 0.4588, 0.4487



Tritanopia

44.9084, 0.4117, 0.3188

Trichromacy



Original Color

44.9882, 0.4958, 0.4156

Protanomaly

44.6677, 0.4485, 0.4463

Deuteranomaly

44.9911, 0.4724, 0.4367

Tritanomaly

44.7737, 0.4485, 0.3601

Monochromacy



Original Color

44.9882, 0.4958, 0.4156

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.9726, 0.3804, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9882, 0.4958, 0.4156 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, 155, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 56)  
}
```

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, 155, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 56) }
```

Border

The CSS property to change the border of an element to Yxy 44.9882, 0.4958, 0.4156 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, 155, 56) }
```

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

```
.border{ border-color:rgb(255, 155, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9882, 0.4958, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 56) }
```

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

```
.background{ background-color: rgb(255,  
155, 56) }
```

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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