

Converting Colors

$Y_{xy}(44.5988, 0.4817, 0.4214)$

Have a look what the booklet for
Yxy(44.5988, 0.4817, 0.4214)
contains.

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Color

Yxy(44.5350, 0.4817, 0.4218)

Conversions

Conversions Part 1

Format	Color
Hex	F59F3C
RGB	245, 159, 60
RGB Percent	96%, 62%, 24%
CMY	0.0394, 0.3764, 0.7647
CMYK	0.00, 0.35, 0.76, 0.04
HSL	32°, 90%, 60%
HSV	32°, 76%, 96%
XYZ	50.8594, 44.5350, 10.1888
YIQ	173.4280, 83.0350, -12.5570

Conversions

Conversions Part 2

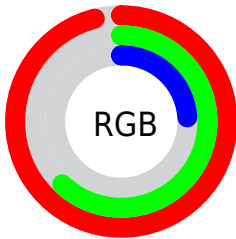
Format	Color
R _Y B	221, 245, 60
Decimal	16097084
CIE Lab	72.58, 24.10, 61.93
CIE LCh	73, 66.455, 68.740
Yxy	44.5350, 0.4817, 0.4218
Android (android.graphics.Color)	4294287164 (0xFFFF59F3C)
YUV	173.4280, -55.9200, 62.7686
Hunter-Lab	66.7345, 19.2522, 37.6620

Details

The Yxy color **44.5350, 0.4817, 0.4218** 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 **28.0843, 0.1947, 0.1911**, and the grayscale version is **42.2800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5454, 0.4151, 0.4290**, and **20.5827, 0.5160, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **40.5990, 0.5051, 0.4229**, and if you desaturate by 10%, it is **48.9557, 0.4561, 0.4157**.

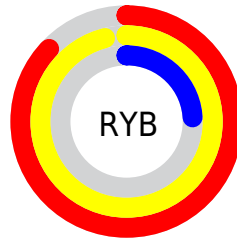
Distribution



Red (96%)

Green (62%)

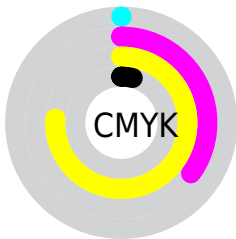
Blue (24%)



Red (87%)

Yellow (96%)

Blue (24%)

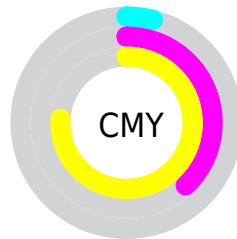


Cyan (0%)

Magenta (35%)

Yellow (76%)

Black (4%)



Cyan (4%)


Magenta (38%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5350, 0.4817, 0.4218 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 44.5350, 0.4817, 0.4218 by changing the saturation by 10% instead.


 44.5350, 0.4817,
0.4218

 44.5350, 0.4817,
0.4218


364.8870, 0.4013,
0.3850


 31.0913, 0.4987,
0.4269


 82.0222, 0.4545,
0.4113


 20.6684, 0.5183,
0.4310


 106.8345, 0.4436,
0.4065


 12.8818, 0.5404,
0.4326


 136.2051, 0.4342,
0.4020

 7.3472, 0.5686,
0.4314

 170.5185, 0.4259,
0.3980

 3.6802, 0.5879,
0.4121

 210.1589, 0.4186,
0.3942

 1.4963, 0.6189,
0.3811

255.5109, 0.4122,

 0.2861, 0.7504,

0.3909

0.2496

306.9588, 0.4065,
0.3878

0.0000, 0.0000,
0.0000

44.5350, 0.4817,
0.4218

44.5350, 0.4817,
0.4218

40.5990, 0.5051,
0.4229

48.9557, 0.4561,
0.4157

37.1132, 0.5248,
0.4185


53.8783, 0.4298,
0.4057


35.6803, 0.5327,
0.4152


59.3264, 0.4042,
0.3930

65.3200, 0.3803,
0.3790

71.8774, 0.3584,
0.3645

 79.0160, 0.3387,
0.3501

 86.7521, 0.3214,
0.3363

 95.0396, 0.3067,
0.3242

 98.1452, 0.3065,
0.3290

Harmonies

Analogous

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



44.5350, 0.4952, 0.3556



44.5350, 0.4817, 0.4218



44.5350, 0.4219, 0.4811

Triad

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



44.5350, 0.4817, 0.4218



44.5350, 0.1887, 0.3498



44.5350, 0.2638, 0.2036

Complementary

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



44.5350, 0.4817, 0.4218



28.0843, 0.1947, 0.1911

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.



44.5350, 0.1972, 0.1919



44.5350, 0.4817, 0.4218



44.5350, 0.1591, 0.2593

Square

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



44.5350, 0.4817, 0.4218



44.5350, 0.2530, 0.4526



44.5350, 0.1627, 0.2081



44.5350, 0.3568, 0.2391

Rectangle

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



44.5350, 0.4817, 0.4218



44.5350, 0.3677, 0.5028



44.5350, 0.1627, 0.2081



44.5350, 0.2381, 0.1968

Sweetspot

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



44.5373, 0.4817, 0.4218



80.6123, 0.3533, 0.3609



24.7210, 0.4495, 0.2499



16.6700, 0.3608, 0.3662



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.



44.5373, 0.4817, 0.4218



42.2500, 0.5168, 0.4211



83.9215, 0.4064, 0.4944



17.9521, 0.3280, 0.3417



19.5090, 0.5304, 0.4170



1.9203, 0.5127, 0.4311

Inverse Universe

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



28.0843, 0.1947, 0.1911



23.5682, 0.1792, 0.1594



10.9846, 0.1714, 0.0925



17.1957, 0.2980, 0.3160



10.2841, 0.1739, 0.1461



1.1074, 0.1805, 0.1697

Previews

White Background



This preview shows how the Yxy color 44.5350, 0.4817, 0.4218 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 44.5350, 0.4817, 0.4218 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 44.5350, 0.4817, 0.4218

Background



This preview shows how black text looks on a background with the Yxy color 44.5350, 0.4817, 0.4218.



This preview shows how white text looks on a background with the Yxy color 44.5350, 0.4817, 0.4218.

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

44.5350, 0.4817, 0.4218

Protanopia

44.7640, 0.4193, 0.4620

Deuteranopia

44.3494, 0.4552, 0.4453



Tritanopia

44.5422, 0.4055, 0.3175

Trichromacy



Original Color

44.5350, 0.4817, 0.4218

Protanomaly

44.4629, 0.4423, 0.4473

Deuteranomaly

44.1946, 0.4656, 0.4364

Tritanomaly

44.3774, 0.4389, 0.3600

Monochromacy



Original Color

44.5350, 0.4817, 0.4218

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.8133, 0.3751, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5350, 0.4817, 0.4218 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(245, 159, 60)` looks like.

```
.text, #text, p{  
  color:rgb(245, 159, 60)  
}
```

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(245, 159, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 159, 60) }
```

Border

The CSS property to change the border of an element to Yxy 44.5350, 0.4817, 0.4218 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(245, 159, 60) }
```

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

```
.border{ border-color:rgb(245, 159, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 159, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 159, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 159, 60);  
box-shadow:4px 4px 4px 4px rgb(245, 159,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5350, 0.4817, 0.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 159, 60) }
```

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

```
.background{ background-color: rgb(245,  
159, 60) }
```

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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