

Converting Colors

$Yxy(85.1143, 0.5307, 0.4015)$

Have a look what the booklet for
Yxy(85.1143, 0.5307, 0.4015)
contains.

Yxy(58.3823, 0.4620, 0.4466)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.3823, 0.4620, 0.4466)

Conversions

Conversions Part 1

Format	Color
Hex	FFBE39
RGB	255, 190, 57
RGB Percent	100%, 75%, 22%
CMY	0.0000, 0.2549, 0.7767
CMYK	0.00, 0.25, 0.78, 0.00
HSL	40°, 100%, 61%
HSV	40°, 78%, 100%
XYZ	60.3955, 58.3823, 11.9484
YIQ	194.2730, 81.4330, -27.5830

Conversions

Conversions Part 2

Format	Color
RYB	154, 255, 57
Decimal	16760377
CIELab	80.95, 11.97, 71.41
CIELCh	81, 72.401, 80.486
Yxy	58.3823, 0.4620, 0.4466
Android (android.graphics.Color)	4294950457 (0xFFFFBE39)
YUV	194.2730, -67.6756, 53.2576
Hunter-Lab	76.4083, 7.3774, 44.2143

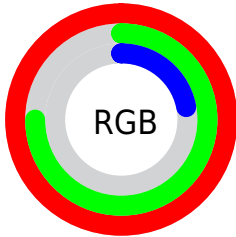
Details

The Yxy color **58.3823, 0.4620, 0.4466** is a light color, and the websafe version is hex **FFCC33**.

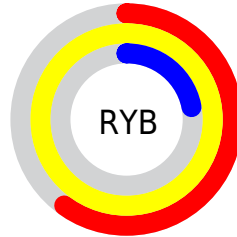
The color can be described as light washed orange. A complement of this color would be **21.9927, 0.1826, 0.1505**, and the grayscale version is **54.4873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3864, 0.3970, 0.4544**, and **29.2288, 0.4821, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **54.6667, 0.4781, 0.4495**, and if you desaturate by 10%, it is **62.4332, 0.4432, 0.4388**.

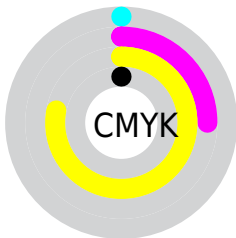
Distribution



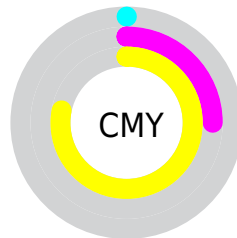
- Red (100%)
- Green (75%)
- Blue (22%)



- Red (60%)
- Yellow (100%)
- Blue (22%)



- Cyan (0%)
- Magenta (25%)
- Yellow (78%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3823, 0.4620, 0.4466 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 58.3823, 0.4620, 0.4466 by changing the saturation by 10% instead.


 58.3823, 0.4620,
0.4466


 58.3823, 0.4620,
0.4466

418.6090, 0.3962,
0.3989


 42.1161, 0.4746,
0.4544


 102.4794, 0.4409,
0.4323

 29.1922, 0.4884,
0.4620


 131.0790, 0.4321,
0.4260


 19.2263, 0.5031,
0.4686

 164.5585, 0.4243,
0.4203

 11.8339, 0.5230,
0.4770

 203.3024, 0.4174,
0.4152

 6.6307, 0.5303,
0.4697

 247.6950, 0.4112,
0.4105

 3.2322, 0.5415,
0.4585

298.1207, 0.4057,

 1.2541, 0.5605,

0.4062

354.9639, 0.4007,
0.4024

0.4395

0.1053, 0.7884,
0.2116

0.0000, 0.0000,
0.0000

58.3823, 0.4620,
0.4466

58.3823, 0.4620,
0.4466

54.6667, 0.4781,
0.4495

62.4332, 0.4432,
0.4388

51.2613, 0.4909,
0.4472


66.8403, 0.4226,
0.4268


50.5044, 0.4936,
0.4463

71.6209, 0.4015,
0.4117

76.7909, 0.3805,
0.3948

 82.3647, 0.3605,
0.3770

 88.3557, 0.3418,
0.3592

 94.7765, 0.3247,
0.3418

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



58.3823, 0.4960, 0.3814



58.3823, 0.4620, 0.4466



58.3823, 0.3907, 0.4959

Triad

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



58.3823, 0.4620, 0.4466



58.3823, 0.1734, 0.3104



58.3823, 0.2981, 0.2153

Complementary

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



58.3823, 0.4620, 0.4466



21.9927, 0.1826, 0.1505

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.



58.3823, 0.2198, 0.1938



58.3823, 0.4620, 0.4466



58.3823, 0.1573, 0.2350

Square

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



58.3823, 0.4620, 0.4466



58.3823, 0.2245, 0.4144



58.3823, 0.1730, 0.1986



58.3823, 0.3947, 0.2587

Rectangle

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



58.3823, 0.4620, 0.4466



58.3823, 0.3334, 0.5018



58.3823, 0.1730, 0.1986



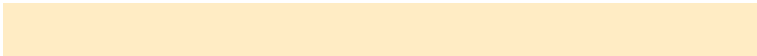
58.3823, 0.2689, 0.2055

Sweetspot

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



58.3820, 0.4620, 0.4466



85.1097, 0.3516, 0.3687



25.6096, 0.4970, 0.2750



17.7607, 0.3584, 0.3751



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.



58.3820, 0.4620, 0.4466



52.8153, 0.4853, 0.4488



87.3429, 0.3892, 0.5103



20.0269, 0.3277, 0.3449



26.6740, 0.4921, 0.4475



2.7969, 0.4817, 0.4558

Inverse Universe

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



21.9927, 0.1826, 0.1505



15.6544, 0.1669, 0.1163



12.3117, 0.1800, 0.0934



18.3513, 0.2979, 0.3126



7.3016, 0.1628, 0.1062



0.9008, 0.1690, 0.1285

Previews

White Background



This preview shows how the Yxy color 58.3823, 0.4620, 0.4466 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 58.3823, 0.4620, 0.4466 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 58.3823, 0.4620, 0.4466

Background



This preview shows how black text looks on a background with the Yxy color 58.3823, 0.4620, 0.4466.



This preview shows how white text looks on a background with the Yxy color 58.3823, 0.4620, 0.4466.

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

58.3823, 0.4620, 0.4466

Protanopia

58.7361, 0.4270, 0.4705

Deuteranopia

58.4397, 0.4595, 0.4485



Tritanopia

58.1580, 0.3669, 0.3166

Trichromacy



Original Color

58.3823, 0.4620, 0.4466

Protanomaly

58.7085, 0.4397, 0.4618

Deuteranomaly

58.6278, 0.4603, 0.4479

Tritanomaly

57.5546, 0.4088, 0.3710

Monochromacy



Original Color

58.3823, 0.4620, 0.4466

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.7525, 0.3708, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3823, 0.4620, 0.4466 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, 190, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 57)  
}
```

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, 190, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 57) }
```

Border

The CSS property to change the border of an element to Yxy 58.3823, 0.4620, 0.4466 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, 190, 57) }
```

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

```
.border{ border-color:rgb(255, 190, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3823, 0.4620, 0.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 57) }
```

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

```
.background{ background-color: rgb(255,  
190, 57) }
```

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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