

Converting Colors

$Y_{xy}(55.5838, 0.4595, 0.4447)$

Have a look what the booklet for
Yxy(55.5838, 0.4595, 0.4447)
contains.

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Color

Yxy(55.5838, 0.4595, 0.4447)

Conversions

Conversions Part 1

Format	Color
Hex	F9BA3C
RGB	249, 186, 60
RGB Percent	98%, 73%, 24%
CMY	0.0236, 0.2705, 0.7648
CMYK	0.00, 0.25, 0.76, 0.02
HSL	40°, 94%, 61%
HSV	40°, 76%, 98%
XYZ	57.4337, 55.5838, 11.9742
YIQ	190.4730, 77.9940, -25.8300

Conversions

Conversions Part 2

Format	Color
RYB	155, 249, 60
Decimal	16366140
CIELab	79.38, 11.61, 68.62
CIELCh	79, 69.596, 80.398
Yxy	55.5838, 0.4595, 0.4447
Android (android.graphics.Color)	4294556220 (0xFFFF9BA3C)
YUV	190.4730, -64.3232, 51.3282
Hunter-Lab	74.5545, 7.0384, 42.6656

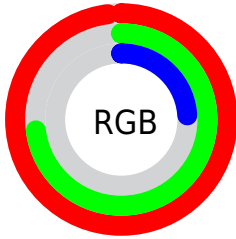
Details

The Yxy color **55.5838, 0.4595, 0.4447** is a light color, and the websafe version is hex **FFCC33**.

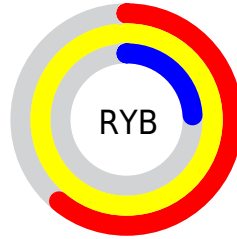
The color can be described as light washed orange. A complement of this color would be **21.9487, 0.1854, 0.1563**, and the grayscale version is **52.1248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0252, 0.3981, 0.4497**, and **27.4664, 0.4826, 0.4550** is the 20% darker color. If you saturate the color by 10%, you get **51.9882, 0.4764, 0.4484**, and if you desaturate by 10%, it is **59.5115, 0.4401, 0.4361**.

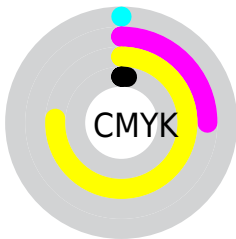
Distribution



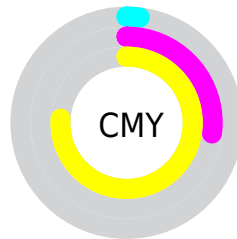
- Red (98%)
- Green (73%)
- Blue (24%)



- Red (61%)
- Yellow (98%)
- Blue (24%)



- Cyan (0%)
- Magenta (25%)
- Yellow (76%)
- Black (2%)





- Cyan (2%)
- Magenta (27%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5838, 0.4595, 0.4447 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 55.5838, 0.4595, 0.4447 by changing the saturation by 10% instead.

 55.5838, 0.4595,
0.4447

 55.5838, 0.4595,
0.4447


408.1211, 0.3939,
0.3969

 39.8693, 0.4723,
0.4527

 98.3958, 0.4382,
0.4302

 27.4367, 0.4865,
0.4607


 126.2621, 0.4294,
0.4239


 17.9014, 0.5018,
0.4677


 158.9478, 0.4216,
0.4181

 10.8793, 0.5229,
0.4771

 196.8373, 0.4148,
0.4130

 5.9857, 0.5305,
0.4695

 240.3150, 0.4087,
0.4083

 2.8364, 0.5422,
0.4578

289.7652, 0.4032,

 1.0469, 0.5626,

0.4041

345.5725, 0.3983,
0.4003

0.4374

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.5838, 0.4595,
0.4447

55.5838, 0.4595,
0.4447

51.9882, 0.4764,
0.4484

59.5115, 0.4401,
0.4361


48.6940, 0.4899,
0.4469

63.7816, 0.4192,
0.4236

47.4205, 0.4949,
0.4453


68.4133, 0.3979,
0.4082

73.4215, 0.3770,
0.3912

 78.8196, 0.3571,
0.3735

 84.6204, 0.3387,
0.3558

 90.8357, 0.3219,
0.3387

 97.2057, 0.3091,
0.3265

 98.8745, 0.3090,
0.3290

Harmonies

Analogous

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



55.5838, 0.4923, 0.3808



55.5838, 0.4595, 0.4447



55.5838, 0.3899, 0.4924

Triad

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



55.5838, 0.4595, 0.4447



55.5838, 0.1763, 0.3114



55.5838, 0.2983, 0.2173

Complementary

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



55.5838, 0.4595, 0.4447



21.9487, 0.1854, 0.1563

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.



55.5838, 0.2215, 0.1963



55.5838, 0.4595, 0.4447



55.5838, 0.1601, 0.2373

Square

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



55.5838, 0.4595, 0.4447



55.5838, 0.2267, 0.4126



55.5838, 0.1754, 0.2011



55.5838, 0.3927, 0.2600

Rectangle

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



55.5838, 0.4595, 0.4447



55.5838, 0.3337, 0.4976



55.5838, 0.1754, 0.2011



55.5838, 0.2697, 0.2076

Sweetspot

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



55.5866, 0.4595, 0.4447



84.9438, 0.3516, 0.3684



24.7944, 0.4904, 0.2748



17.7204, 0.3585, 0.3748



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.



55.5866, 0.4595, 0.4447



53.0443, 0.4839, 0.4483



82.8841, 0.3886, 0.5077



19.1595, 0.3277, 0.3448



25.6621, 0.4933, 0.4465



2.5715, 0.4822, 0.4553

Inverse Universe

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



21.9487, 0.1854, 0.1563



16.5634, 0.1688, 0.1217



12.3169, 0.1829, 0.0976



17.5876, 0.2979, 0.3127



7.2003, 0.1632, 0.1076



0.8531, 0.1698, 0.1311

Previews

White Background



This preview shows how the Yxy color 55.5838, 0.4595, 0.4447 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 55.5838, 0.4595, 0.4447 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 55.5838, 0.4595, 0.4447

Background



This preview shows how black text looks on a background with the Yxy color 55.5838, 0.4595, 0.4447.



This preview shows how white text looks on a background with the Yxy color 55.5838, 0.4595, 0.4447.

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

55.5838, 0.4595, 0.4447

Protanopia

55.6635, 0.4255, 0.4673

Deuteranopia

55.6410, 0.4570, 0.4466



Tritanopia

55.5078, 0.3738, 0.3166

Trichromacy



Original Color

55.5838, 0.4595, 0.4447

Protanomaly

55.4767, 0.4377, 0.4591

Deuteranomaly

55.8234, 0.4578, 0.4460

Tritanomaly

55.0459, 0.4121, 0.3693

Monochromacy



Original Color

55.5838, 0.4595, 0.4447

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.2272, 0.3687, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5838, 0.4595, 0.4447 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(249, 186, 60)` looks like.

```
.text, #text, p{  
    color:rgb(249, 186, 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(249, 186, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 186, 60) }
```

Border

The CSS property to change the border of an element to Yxy 55.5838, 0.4595, 0.4447 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(249, 186, 60) }
```

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

```
.border{ border-color:rgb(249, 186, 60) }
```

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

Here you see how a box with a 4 pixel rgb(249, 186, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 186, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 186, 60);  
box-shadow:4px 4px 4px 4px rgb(249, 186,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5838, 0.4595, 0.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 186, 60) }
```

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

```
.background{ background-color: rgb(249,  
186, 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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