

Converting Colors

$Y_{xy}(59.2091, 0.4502, 0.4343)$

Have a look what the booklet for
Yxy(59.2091, 0.4502, 0.4343)
contains.

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Color

Yxy(59.1008, 0.4503, 0.4340)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFBF50 |
| RGB | 255, 191, 80 |
| RGB Percent | 100%, 75%, 31% |
| CMY | 0.0000, 0.2510, 0.6865 |
| CMYK | 0.00, 0.25, 0.69, 0.00 |
| HSL | 38°, 100%, 66% |
| HSV | 38°, 69%, 100% |
| XYZ | 61.3205, 59.1008, 15.7557 |
| YIQ | 197.4820, 73.7750, -20.9530 |

Conversions

Conversions Part 2

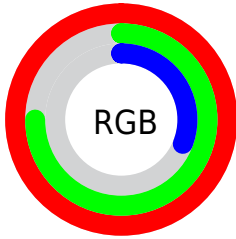
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 181, 255, 80 |
| Decimal | 16760656 |
| CIE Lab | 81.35, 12.44, 62.84 |
| CIE LCh | 81, 64.060, 78.800 |
| Yxy | 59.1008, 0.4503, 0.4340 |
| Android (android.graphics.Color) | 4294950736 (0xFFFFBF50) |
| YUV | 197.4820, -57.9186, 50.4433 |
| Hunter-Lab | 76.8770, 7.8446, 41.6627 |

Details

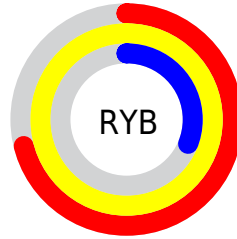
The Yxy color **59.1008, 0.4503, 0.4340** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **28.8553, 0.1974, 0.1818**, and the grayscale version is **56.4629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5028, 0.3863, 0.4388**, and **29.7004, 0.4772, 0.4503** is the 20% darker color. If you saturate the color by 10%, you get **54.8559, 0.4706, 0.4407**, and if you desaturate by 10%, it is **63.7492, 0.4283, 0.4231**.

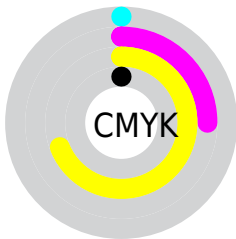
Distribution



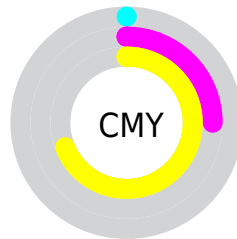
- Red (100%)
- Green (75%)
- Blue (31%)



- Red (71%)
- Yellow (100%)
- Blue (31%)



- Cyan (0%)
- Magenta (25%)
- Yellow (69%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1008, 0.4503, 0.4340 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 59.1008, 0.4503, 0.4340 by changing the saturation by 10% instead.

 59.1008, 0.4503,
0.4340


 59.1008, 0.4503,
0.4340


421.2754, 0.3881,
0.3900

 42.6943, 0.4630,
0.4418

 103.5242, 0.4297,
0.4203


 29.6453, 0.4775,
0.4501


 132.3098, 0.4214,
0.4145


 19.5695, 0.4938,
0.4580


 165.9905, 0.4140,
0.4093

 12.0825, 0.5122,
0.4651

 204.9508, 0.4076,
0.4046

 6.7999, 0.5316,
0.4684

 249.5751, 0.4019,
0.4004

 3.3373, 0.5430,
0.4570

300.2476, 0.3968,

 1.3102, 0.5622,

0.3966

0.4378

357.3529, 0.3922,
0.3931

0.1491, 0.7492,
0.2508

0.0000, 0.0000,
0.0000

59.1008, 0.4503,
0.4340

59.1008, 0.4503,
0.4340

54.8559, 0.4706,
0.4407

63.7492, 0.4283,
0.4231

50.9900, 0.4881,
0.4422

68.8176, 0.4059,
0.4090

47.4745, 0.5023,
0.4386

74.3241, 0.3839,
0.3930

47.0204, 0.5041,
0.4380

80.2846, 0.3631,
0.3762

■ 86.7138, 0.3439,
0.3592

■ 93.6256, 0.3264,
0.3427

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.



59.1008, 0.4761, 0.3757



59.1008, 0.4503, 0.4340



59.1008, 0.3889, 0.4760

Triad

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



59.1008, 0.4503, 0.4340



59.1008, 0.1897, 0.3188



59.1008, 0.2959, 0.2247

Complementary

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



59.1008, 0.4503, 0.4340



28.8553, 0.1974, 0.1818

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.



59.1008, 0.2266, 0.2064



59.1008, 0.4503, 0.4340



59.1008, 0.1723, 0.2491

Square

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



59.1008, 0.4503, 0.4340



59.1008, 0.2386, 0.4084



59.1008, 0.1850, 0.2130



59.1008, 0.3808, 0.2636

Rectangle

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



59.1008, 0.4503, 0.4340



59.1008, 0.3379, 0.4806



59.1008, 0.1850, 0.2130



59.1008, 0.2701, 0.2161

Sweetspot

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



59.1017, 0.4503, 0.4340



85.1569, 0.3483, 0.3632



29.0085, 0.4567, 0.2696



17.8436, 0.3535, 0.3678



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.



59.1017, 0.4503, 0.4340



53.5178, 0.4768, 0.4418



89.1976, 0.3895, 0.4937



19.9085, 0.3278, 0.3440



24.8637, 0.5023, 0.4394



2.6292, 0.4903, 0.4489

Inverse Universe

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



28.8553, 0.1974, 0.1818



21.8029, 0.1800, 0.1499



15.8517, 0.1914, 0.1143



18.4651, 0.2979, 0.3135



8.1430, 0.1656, 0.1161



0.9924, 0.1718, 0.1385

Previews

White Background



This preview shows how the Yxy color 59.1008, 0.4503, 0.4340 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 59.1008, 0.4503, 0.4340 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 59.1008, 0.4503, 0.4340

Background



This preview shows how black text looks on a background with the Yxy color 59.1008, 0.4503, 0.4340.



This preview shows how white text looks on a background with the Yxy color 59.1008, 0.4503, 0.4340.

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

59.1008, 0.4503, 0.4340

Protanopia

59.3440, 0.4148, 0.4561

Deuteranopia

58.9739, 0.4470, 0.4362



Tritanopia

59.0220, 0.3655, 0.3177

Trichromacy



Original Color

59.1008, 0.4503, 0.4340

Protanomaly

59.2889, 0.4274, 0.4482

Deuteranomaly

59.1611, 0.4479, 0.4357

Tritanomaly

58.6777, 0.4002, 0.3638

Monochromacy



Original Color

59.1008, 0.4503, 0.4340

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.2687, 0.3639, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1008, 0.4503, 0.4340 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, 191, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 80)  
}
```

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, 191, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 80) }
```

Border

The CSS property to change the border of an element to Yxy 59.1008, 0.4503, 0.4340 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, 191, 80) }
```

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

```
.border{ border-color:rgb(255, 191, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1008, 0.4503, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 80) }
```

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

```
.background{ background-color: rgb(255,  
191, 80) }
```

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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