

Converting Colors

$Y_{xy}(60.5412, 0.4352, 0.4195)$

Have a look what the booklet for
Yxy(60.5412, 0.4352, 0.4195)
contains.

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Color

Yxy(60.3592, 0.4355, 0.4192)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFC166 |
| RGB | 255, 193, 102 |
| RGB Percent | 100%, 76%, 40% |
| CMY | 0.0000, 0.2431, 0.5999 |
| CMYK | 0.00, 0.24, 0.60, 0.00 |
| HSL | 36°, 100%, 70% |
| HSV | 36°, 60%, 100% |
| XYZ | 62.7062, 60.3592, 20.9213 |
| YIQ | 201.1640, 66.1630, -15.1570 |

Conversions

Conversions Part 2

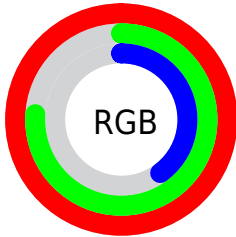
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 206, 255, 102 |
| Decimal | 16761190 |
| CIE Lab | 82.03, 12.72, 53.61 |
| CIE LCh | 82, 55.101, 76.658 |
| Yxy | 60.3592, 0.4355, 0.4192 |
| Android (android.graphics.Color) | 4294951270 (0xFFFFC166) |
| YUV | 201.1640, -48.8879, 47.2142 |
| Hunter-Lab | 77.6912, 8.1115, 38.4178 |

Details

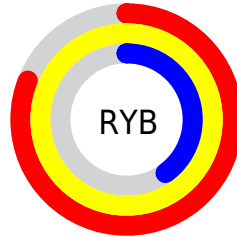
The Yxy color **60.3592, 0.4355, 0.4192** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.5970, 0.2126, 0.2114**, and the grayscale version is **58.7967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3779, 0.3738, 0.4215**, and **30.5886, 0.4620, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **55.5216, 0.4590, 0.4289**, and if you desaturate by 10%, it is **65.6774, 0.4116, 0.4063**.

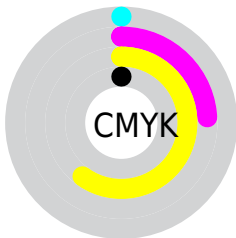
Distribution



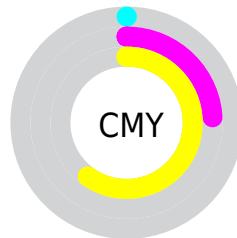
- Red (100%)
- Green (76%)
- Blue (40%)



- Red (81%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (24%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (24%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.3592, 0.4355, 0.4192 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 60.3592, 0.4355, 0.4192 by changing the saturation by 10% instead.

 60.3592, 0.4355,
0.4192

 60.3592, 0.4355,
0.4192


425.9205, 0.3788,
0.3804

 43.7082, 0.4477,
0.4266


 105.3506, 0.4163,
0.4067

 30.4412, 0.4620,
0.4349


 134.4597, 0.4087,
0.4016

 20.1737, 0.4790,
0.4437


 168.4904, 0.4020,
0.3970

 12.5214, 0.4986,
0.4521

 207.8270, 0.3962,
0.3929

 7.0998, 0.5280,
0.4646

252.8539, 0.3911,
0.3893

 3.5246, 0.5432,
0.4568

303.9556, 0.3865,

 1.4114, 0.5620,

0.3860

0.4380

361.5163, 0.3825,
0.3830

0.2251, 0.6997,
0.3003

0.0000, 0.0000,
0.0000

60.3592, 0.4355,
0.4192

60.3592, 0.4355,
0.4192

55.5216, 0.4590,
0.4289

65.6774, 0.4116,
0.4063

51.1345, 0.4809,
0.4341

71.4866, 0.3885,
0.3914

47.1765, 0.4999,
0.4340

77.8073, 0.3667,
0.3755

43.6119, 0.5155,
0.4289

84.6561, 0.3468,
0.3595

43.6082, 0.5155,
0.4289

92.0484, 0.3288,
0.3439

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



60.3592, 0.4531, 0.3686



60.3592, 0.4355, 0.4192



60.3592, 0.3850, 0.4541

Triad

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



60.3592, 0.4355, 0.4192



60.3592, 0.2081, 0.3268



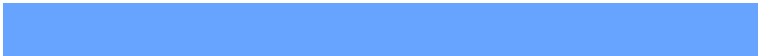
60.3592, 0.2940, 0.2357

Complementary

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



60.3592, 0.4355, 0.4192



36.5970, 0.2126, 0.2114

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.



60.3592, 0.2347, 0.2211



60.3592, 0.4355, 0.4192



60.3592, 0.1899, 0.2646

Square

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



60.3592, 0.4355, 0.4192



60.3592, 0.2537, 0.4010



60.3592, 0.1991, 0.2296



60.3592, 0.3662, 0.2693

Rectangle

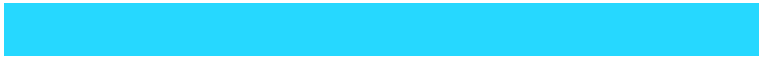
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.3592, 0.4355, 0.4192



60.3592, 0.3413, 0.4579



60.3592, 0.1991, 0.2296



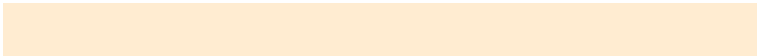
60.3592, 0.2720, 0.2285

Sweetspot

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



60.3622, 0.4355, 0.4192



86.0912, 0.3430, 0.3563



33.5096, 0.4194, 0.2659



17.9819, 0.3485, 0.3610



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.



60.3622, 0.4355, 0.4192



54.6090, 0.4636, 0.4303



91.3928, 0.3888, 0.4747



19.7838, 0.3279, 0.3431



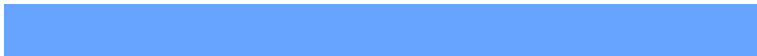
23.0892, 0.5135, 0.4305



2.4627, 0.4998, 0.4414

Inverse Universe

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



36.5970, 0.2126, 0.2114



29.0682, 0.1950, 0.1833



20.3559, 0.2028, 0.1383



18.5860, 0.2979, 0.3145



9.1493, 0.1687, 0.1274



1.0986, 0.1749, 0.1497

Previews

White Background



This preview shows how the Yxy color 60.3592, 0.4355, 0.4192 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 60.3592, 0.4355, 0.4192 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 60.3592, 0.4355, 0.4192

Background



This preview shows how black text looks on a background with the Yxy color 60.3592, 0.4355, 0.4192.



This preview shows how white text looks on a background with the Yxy color 60.3592, 0.4355, 0.4192.

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

60.3592, 0.4355, 0.4192

Protanopia

60.2339, 0.4008, 0.4370

Deuteranopia

60.4988, 0.4309, 0.4225



Tritanopia

60.4090, 0.3622, 0.3177

Trichromacy



Original Color

60.3592, 0.4355, 0.4192

Protanomaly

60.1613, 0.4132, 0.4301

Deuteranomaly

60.2383, 0.4324, 0.4212

Tritanomaly

60.2638, 0.3913, 0.3575

Monochromacy



Original Color

60.3592, 0.4355, 0.4192

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.4769, 0.3569, 0.3674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3592, 0.4355, 0.4192 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, 193, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 102)  
}
```

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, 193, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 102) }
```

Border

The CSS property to change the border of an element to Yxy 60.3592, 0.4355, 0.4192 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, 193, 102) }
```

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

```
.border{ border-color:rgb(255, 193, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 193, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3592, 0.4355, 0.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 102) }
```

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

```
.background{ background-color: rgb(255,  
193, 102) }
```

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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