

Converting Colors

$Y_{xy}(59.7261, 0.4365, 0.4179)$

Have a look what the booklet for
Yxy(59.7261, 0.4365, 0.4179)
contains.

Yxy(59.9186, 0.4362, 0.4183)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(59.9186, 0.4362, 0.4183)

Conversions

Conversions Part 1

Format	Color
Hex	FFC066
RGB	255, 192, 102
RGB Percent	100%, 75%, 40%
CMY	0.0001, 0.2470, 0.6000
CMYK	0.00, 0.25, 0.60, 0.00
HSL	35°, 100%, 70%
HSV	35°, 60%, 100%
XYZ	62.4827, 59.9186, 20.8419
YIQ	200.5770, 66.4380, -14.6340

Conversions

Conversions Part 2

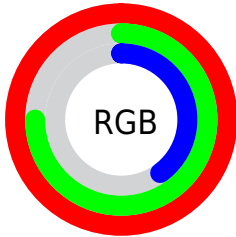
Format	Color
R_{YB}	209, 255, 102
Decimal	16760934
CIE _{Lab}	81.79, 13.23, 53.35
CIE _{LCh}	82, 54.963, 76.073
Yxy	59.9186, 0.4362, 0.4183
Android (android.graphics.Color)	4294951014 (0xFFFFC066)
YUV	200.5770, -48.5985, 47.7290
Hunter-Lab	77.4071, 8.6219, 38.2211

Details

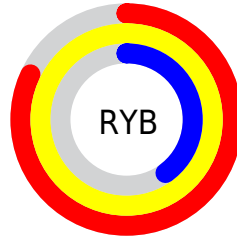
The Yxy color **59.9186, 0.4362, 0.4183** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.9412, 0.2129, 0.2127**, and the grayscale version is **58.4098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7614, 0.3741, 0.4207**, and **30.2976, 0.4631, 0.4342** is the 20% darker color. If you saturate the color by 10%, you get **55.0449, 0.4600, 0.4278**, and if you desaturate by 10%, it is **65.2824, 0.4121, 0.4055**.

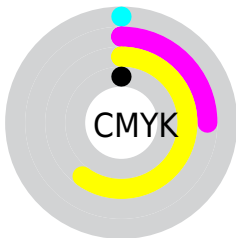
Distribution



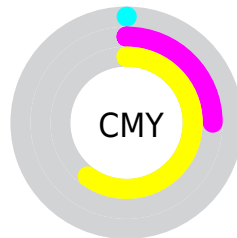
- Red (100%)
- Green (75%)
- Blue (40%)



- Red (82%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (25%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9186, 0.4362, 0.4183 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 59.9186, 0.4362, 0.4183 by changing the saturation by 10% instead.


 59.9186, 0.4362,
0.4183


 59.9186, 0.4362,
0.4183


424.2977, 0.3791,
0.3799


 43.3530, 0.4485,
0.4257

 104.7116, 0.4168,
0.4060


 30.1622, 0.4630,
0.4338


 133.7078, 0.4091,
0.4009

 19.9617, 0.4802,
0.4424

 167.6163, 0.4024,
0.3963

 12.3672, 0.5002,
0.4506

 206.8215, 0.3966,
0.3923

 6.9943, 0.5303,
0.4629

251.7079, 0.3914,
0.3887

 3.4585, 0.5457,
0.4543

302.6598, 0.3868,

 1.3755, 0.5655,

0.3855

0.4345

360.0616, 0.3827,
0.3825

0.1986, 0.7204,
0.2796

0.0000, 0.0000,
0.0000

59.9186, 0.4362,
0.4183

59.9186, 0.4362,
0.4183

55.0449, 0.4600,
0.4278

65.2824, 0.4121,
0.4055

50.6309, 0.4822,
0.4329

71.1469, 0.3888,
0.3908

46.6548, 0.5015,
0.4326

77.5331, 0.3669,
0.3751

43.0806, 0.5173,
0.4274

84.4579, 0.3468,
0.3592

■ 43.0796, 0.5174,
0.4274

■ 91.9368, 0.3288,
0.3437

99.9851, 0.3127,
0.3290

99.9963, 0.3127,
0.3290

Harmonies

Analogous

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



59.9186, 0.4530, 0.3676



59.9186, 0.4362, 0.4183



59.9186, 0.3862, 0.4537

Triad

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



59.9186, 0.4362, 0.4183



59.9186, 0.2088, 0.3282



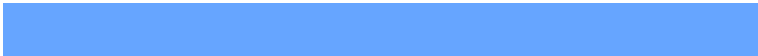
59.9186, 0.2927, 0.2352

Complementary

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



59.9186, 0.4362, 0.4183



36.9412, 0.2129, 0.2127

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.



59.9186, 0.2337, 0.2211



59.9186, 0.4362, 0.4183



59.9186, 0.1899, 0.2656

Square

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



59.9186, 0.4362, 0.4183



59.9186, 0.2548, 0.4023



59.9186, 0.1987, 0.2300



59.9186, 0.3648, 0.2685

Rectangle

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



59.9186, 0.4362, 0.4183



59.9186, 0.3426, 0.4581



59.9186, 0.1987, 0.2300



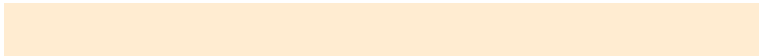
59.9186, 0.2707, 0.2282

Sweetspot

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



59.9215, 0.4362, 0.4183



85.9215, 0.3431, 0.3561



33.5027, 0.4195, 0.2659



17.9404, 0.3486, 0.3606



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.



59.9215, 0.4362, 0.4183



54.1337, 0.4646, 0.4292



91.3852, 0.3888, 0.4747



19.7637, 0.3279, 0.3430



22.8152, 0.5153, 0.4290



2.4368, 0.5013, 0.4401

Inverse Universe

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



36.9412, 0.2129, 0.2127



29.4322, 0.1954, 0.1849



20.3492, 0.2028, 0.1383



18.6057, 0.2979, 0.3146



9.3238, 0.1693, 0.1293



1.1167, 0.1754, 0.1515

Previews

White Background



This preview shows how the Yxy color 59.9186, 0.4362, 0.4183 looks on a white background.

Color Contrast Check

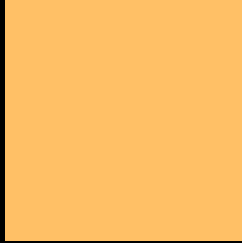
Large Text (above 18pt) WCAG AA × Fail

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 59.9186, 0.4362, 0.4183 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 59.9186, 0.4362, 0.4183

Background



This preview shows how black text looks on a background with the Yxy color 59.9186, 0.4362, 0.4183.



This preview shows how white text looks on a background with the Yxy color 59.9186, 0.4362, 0.4183.

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

59.9186, 0.4362, 0.4183

Protanopia

60.2339, 0.4008, 0.4370

Deuteranopia

60.0521, 0.4316, 0.4216



Tritanopia

59.9434, 0.3633, 0.3177

Trichromacy



Original Color

59.9186, 0.4362, 0.4183

Protanomaly

60.1613, 0.4132, 0.4301

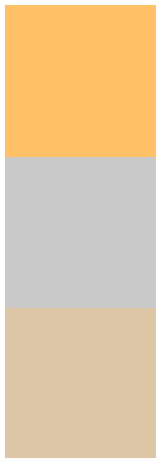
Deuteranomaly

59.7947, 0.4331, 0.4203

Tritanomaly

59.8351, 0.3917, 0.3565

Monochromacy



Original Color

59.9186, 0.4362, 0.4183

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 59.9186, 0.4362, 0.4183 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, 192, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 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, 192, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 102) }
```

Border

The CSS property to change the border of an element to Yxy 59.9186, 0.4362, 0.4183 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, 192, 102) }
```

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

```
.border{ border-color:rgb(255, 192, 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, 192, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9186, 0.4362, 0.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 102) }
```

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

```
.background{ background-color: rgb(255,  
192, 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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