

Converting Colors

$Yxy(67.1859, 0.4619, 0.3987)$

Have a look what the booklet for
Yxy(67.1859, 0.4619, 0.3987)
contains.

Yxy(59.2127, 0.4321, 0.4096)	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(59.2127, 0.4321, 0.4096)

Conversions

Conversions Part 1

Format	Color
Hex	FFBE6E
RGB	255, 190, 110
RGB Percent	100%, 75%, 43%
CMY	0.0000, 0.2549, 0.5687
CMYK	0.00, 0.25, 0.57, 0.00
HSL	33°, 100%, 72%
HSV	33°, 57%, 100%
XYZ	62.4654, 59.2127, 22.8842
YIQ	200.3150, 64.4200, -11.1000

Conversions

Conversions Part 2

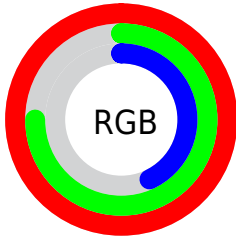
Format	Color
R _Y B	228, 255, 110
Decimal	16760430
CIE Lab	81.41, 14.85, 49.03
CIE LCh	81, 51.234, 73.151
Yxy	59.2127, 0.4321, 0.4096
Android (android.graphics.Color)	4294950510 (0xFFFFBE6E)
YUV	200.3150, -44.5253, 47.9587
Hunter-Lab	76.9498, 10.2384, 36.2325

Details

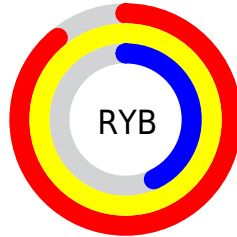
The Yxy color **59.2127, 0.4321, 0.4096** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.1813, 0.2194, 0.2270**, and the grayscale version is **58.2141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8159, 0.3701, 0.4113**, and **29.8092, 0.4590, 0.4244** is the 20% darker color. If you saturate the color by 10%, you get **53.9799, 0.4577, 0.4195**, and if you desaturate by 10%, it is **64.9992, 0.4069, 0.3969**.

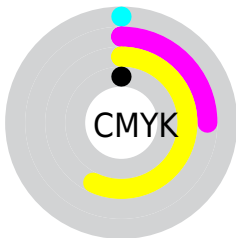
Distribution



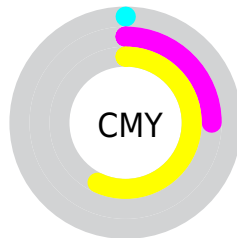
- Red (100%)
- Green (75%)
- Blue (43%)



- Red (89%)
- Yellow (100%)
- Blue (43%)



- Cyan (0%)
- Magenta (25%)
- Yellow (57%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2127, 0.4321, 0.4096 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 59.2127, 0.4321, 0.4096 by changing the saturation by 10% instead.


 59.2127, 0.4321,
0.4096

 59.2127, 0.4321,
0.4096


421.6897, 0.3762,
0.3748

 42.7844, 0.4444,
0.4164


 103.6867, 0.4129,
0.3983

 29.7160, 0.4592,
0.4240


 132.5012, 0.4054,
0.3937

 19.6231, 0.4770,
0.4321


 166.2132, 0.3989,
0.3896

 12.1214, 0.4983,
0.4401

 205.2071, 0.3932,
0.3859

 6.8264, 0.5271,
0.4493

249.8673, 0.3881,
0.3827

 3.3538, 0.5532,
0.4468

300.5782, 0.3837,

 1.3191, 0.5755,

0.3798

0.4245

357.7242, 0.3797,
0.3771

0.1559, 0.7661,
0.2339

0.0000, 0.0000,
0.0000

59.2127, 0.4321,
0.4096

59.2127, 0.4321,
0.4096

53.9799, 0.4577,
0.4195

64.9992, 0.4069,
0.3969

49.2691, 0.4823,
0.4253

71.3517, 0.3830,
0.3826

45.0574, 0.5045,
0.4260

78.2927, 0.3610,
0.3676

41.3144, 0.5229,
0.4211

85.8403, 0.3412,
0.3528

■ 40.2265, 0.5281,
0.4189

■ 94.0120, 0.3236,
0.3384

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



59.2127, 0.4436, 0.3614



59.2127, 0.4321, 0.4096



59.2127, 0.3879, 0.4441

Triad

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



59.2127, 0.4321, 0.4096



59.2127, 0.2181, 0.3353



59.2127, 0.2879, 0.2382

Complementary

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



59.2127, 0.4321, 0.4096



41.1813, 0.2194, 0.2270

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.



59.2127, 0.2341, 0.2269



59.2127, 0.4321, 0.4096



59.2127, 0.1974, 0.2747

Square

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



59.2127, 0.4321, 0.4096



59.2127, 0.2641, 0.4033



59.2127, 0.2031, 0.2380



59.2127, 0.3551, 0.2683

Rectangle

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



59.2127, 0.4321, 0.4096



59.2127, 0.3477, 0.4500



59.2127, 0.2031, 0.2380



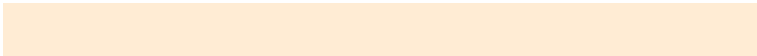
59.2127, 0.2678, 0.2321

Sweetspot

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



59.2156, 0.4321, 0.4096



85.7414, 0.3415, 0.3530



35.5121, 0.4050, 0.2636



18.0174, 0.3453, 0.3559



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.



59.2156, 0.4321, 0.4096



53.4236, 0.4606, 0.4204



92.5501, 0.3893, 0.4668



19.6492, 0.3280, 0.3421



21.3233, 0.5259, 0.4207



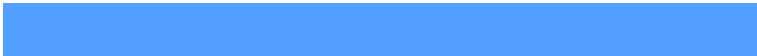
2.2944, 0.5104, 0.4330

Inverse Universe

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



41.1813, 0.2194, 0.2270



33.8977, 0.2030, 0.2027



22.1668, 0.2061, 0.1474



18.7180, 0.2979, 0.3155



10.3812, 0.1724, 0.1405



1.2250, 0.1784, 0.1622

Previews

White Background



This preview shows how the Yxy color 59.2127, 0.4321, 0.4096 looks on a white background.

Color Contrast Check

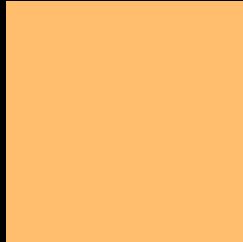
Large Text (above 18pt) WCAG AA × Fail

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 59.2127, 0.4321, 0.4096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

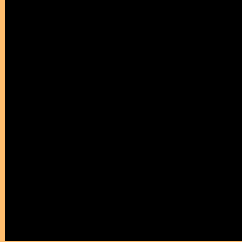
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.2127, 0.4321, 0.4096

Background



This preview shows how black text looks on a background with the Yxy color 59.2127, 0.4321, 0.4096.



This preview shows how white text looks on a background with the Yxy color 59.2127, 0.4321, 0.4096.

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

59.2127, 0.4321, 0.4096

Protanopia

59.4564, 0.3936, 0.4293

Deuteranopia

59.2005, 0.4250, 0.4156



Tritanopia

59.0671, 0.3647, 0.3167

Trichromacy



Original Color

59.2127, 0.4321, 0.4096

Protanomaly

59.0728, 0.4073, 0.4214

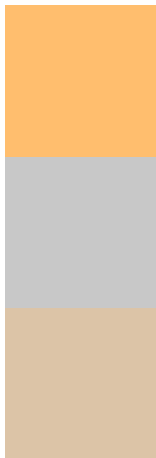
Deuteranomaly

59.3126, 0.4282, 0.4137

Tritanomaly

59.0581, 0.3907, 0.3523

Monochromacy



Original Color

59.2127, 0.4321, 0.4096

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

57.4855, 0.3550, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2127, 0.4321, 0.4096 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 110) }
```

Border

The CSS property to change the border of an element to Yxy 59.2127, 0.4321, 0.4096 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, 110) }
```

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

```
.border{ border-color:rgb(255, 190, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2127, 0.4321, 0.4096 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, 110) }
```

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

```
.background{ background-color: rgb(255,  
190, 110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor