

Converting Colors

$Y_{xy}(59.1980, 0.4418, 0.4228)$

Have a look what the booklet for
Yxy(59.1980, 0.4418, 0.4228)
contains.

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Color

Yxy(59.3478, 0.4415, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	FFBF5F
RGB	255, 191, 95
RGB Percent	100%, 75%, 37%
CMY	0.0000, 0.2510, 0.6275
CMYK	0.00, 0.25, 0.63, 0.00
HSL	36°, 100%, 69%
HSV	36°, 63%, 100%
XYZ	61.9434, 59.3478, 19.0109
YIQ	199.1920, 68.9600, -16.2880

Conversions

Conversions Part 2

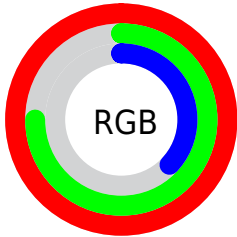
Format	Color
R_{YB}	202, 255, 95
Decimal	16760671
CIE _{Lab}	81.48, 13.32, 56.29
CIE _{LCh}	81, 57.843, 76.690
Yxy	59.3478, 0.4415, 0.4230
Android (android.graphics.Color)	4294950751 (0xFFFFBF5F)
YUV	199.1920, -51.3667, 48.9436
Hunter-Lab	77.0375, 8.7104, 39.2950

Details

The Yxy color **59.3478, 0.4415, 0.4230** 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 **34.4419, 0.2081, 0.2038**, and the grayscale version is **57.5217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9196, 0.3785, 0.4263**, and **29.8135, 0.4681, 0.4395** is the 20% darker color. If you saturate the color by 10%, you get **54.6604, 0.4644, 0.4317**, and if you desaturate by 10%, it is **64.4917, 0.4178, 0.4108**.

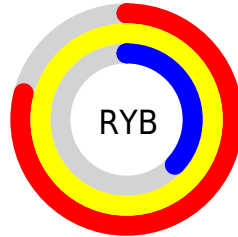
Distribution



Red (100%)

Green (75%)

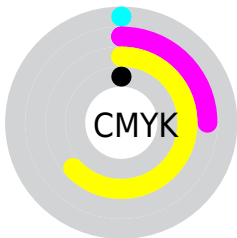
Blue (37%)



Red (79%)

Yellow (100%)

Blue (37%)

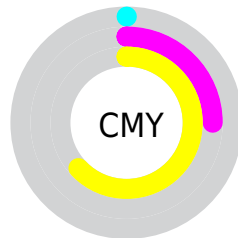


Cyan (0%)

Magenta (25%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (25%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3478, 0.4415, 0.4230 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 59.3478, 0.4415, 0.4230 by changing the saturation by 10% instead.


 59.3478, 0.4415,
0.4230


 59.3478, 0.4415,
0.4230


422.1896, 0.3822,
0.3829


 42.8932, 0.4541,
0.4305


 103.8830, 0.4215,
0.4103


 29.8013, 0.4688,
0.4387


 132.7323, 0.4136,
0.4049

 19.6878, 0.4860,
0.4471


 166.4820, 0.4066,
0.4002

 12.1683, 0.5055,
0.4546

 205.5165, 0.4005,
0.3960

 6.8584, 0.5345,
0.4655

250.2200, 0.3951,
0.3922

 3.3737, 0.5466,
0.4534

300.9772, 0.3903,

 1.3298, 0.5668,

0.3888

0.4332

358.1722, 0.3861,
0.3857

0.1641, 0.7456,
0.2544

0.0000, 0.0000,
0.0000

59.3478, 0.4415,
0.4230

59.3478, 0.4415,
0.4230

54.6604, 0.4644,
0.4317

64.4917, 0.4178,
0.4108

50.4153, 0.4854,
0.4356


70.1191, 0.3945,
0.3962

46.5848, 0.5031,
0.4341

76.2452, 0.3724,
0.3804

44.0446, 0.5140,
0.4301

82.8867, 0.3520,
0.3642

 90.0590, 0.3335,
0.3483

 97.7768, 0.3169,
0.3330

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.



59.3478, 0.4607, 0.3698



59.3478, 0.4415, 0.4230



59.3478, 0.3881, 0.4608

Triad

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



59.3478, 0.4415, 0.4230



59.3478, 0.2028, 0.3261



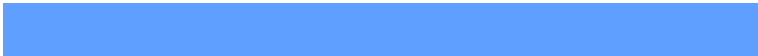
59.3478, 0.2928, 0.2314

Complementary

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



59.3478, 0.4415, 0.4230



34.4419, 0.2081, 0.2038

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.



59.3478, 0.2307, 0.2161



59.3478, 0.4415, 0.4230



59.3478, 0.1841, 0.2608

Square

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



59.3478, 0.4415, 0.4230



59.3478, 0.2502, 0.4053



59.3478, 0.1938, 0.2246



59.3478, 0.3691, 0.2663

Rectangle

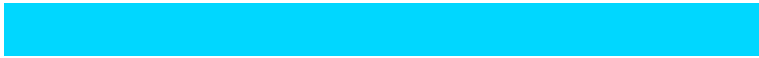
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.3478, 0.4415, 0.4230



59.3478, 0.3420, 0.4656



59.3478, 0.1938, 0.2246



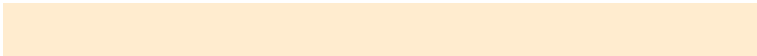
59.3478, 0.2697, 0.2239

Sweetspot

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



59.3453, 0.4415, 0.4230



85.5161, 0.3448, 0.3582



31.9431, 0.4307, 0.2667



17.8737, 0.3503, 0.3628



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.



59.3453, 0.4415, 0.4230



53.6695, 0.4694, 0.4330



90.6961, 0.3893, 0.4810



19.8002, 0.3279, 0.3432



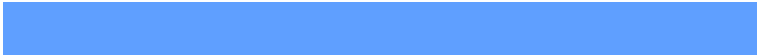
23.3145, 0.5120, 0.4317



2.4840, 0.4985, 0.4424

Inverse Universe

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



34.4419, 0.2081, 0.2038



27.1295, 0.1908, 0.1751



18.7785, 0.1990, 0.1302



18.5701, 0.2979, 0.3143



9.0100, 0.1683, 0.1258



1.0841, 0.1745, 0.1482

Previews

White Background



This preview shows how the Yxy color 59.3478, 0.4415, 0.4230 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 59.3478, 0.4415, 0.4230 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 59.3478, 0.4415, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 59.3478, 0.4415, 0.4230.



This preview shows how white text looks on a background with the Yxy color 59.3478, 0.4415, 0.4230.

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

59.3478, 0.4415, 0.4230

Protanopia

59.4600, 0.4049, 0.4430

Deuteranopia

59.4573, 0.4373, 0.4272



Tritanopia

59.4811, 0.3644, 0.3177

Trichromacy



Original Color

59.3478, 0.4415, 0.4230

Protanomaly

59.3909, 0.4174, 0.4357

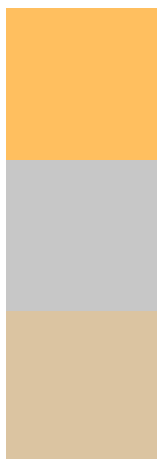
Deuteranomaly

59.2029, 0.4389, 0.4259

Tritanomaly

59.3039, 0.3947, 0.3586

Monochromacy



Original Color

59.3478, 0.4415, 0.4230

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.1131, 0.3589, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3478, 0.4415, 0.4230 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 95) }
```

Border

The CSS property to change the border of an element to Yxy 59.3478, 0.4415, 0.4230 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, 95) }
```

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

```
.border{ border-color:rgb(255, 191, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3478, 0.4415, 0.4230 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, 95) }
```

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

```
.background{ background-color: rgb(255,  
191, 95) }
```

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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