

Converting Colors

$Y_{xy}(58.5758, 0.4318, 0.4225)$

Have a look what the booklet for
Yxy(58.5758, 0.4318, 0.4225)
contains.

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Color

Yxy(58.5758, 0.4318, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	F8C064
RGB	248, 192, 100
RGB Percent	97%, 75%, 39%
CMY	0.0274, 0.2471, 0.6080
CMYK	0.00, 0.23, 0.60, 0.03
HSL	37°, 91%, 68%
HSV	37°, 60%, 97%
XYZ	59.8652, 58.5758, 20.2000
YIQ	198.2560, 62.9080, -16.7400

Conversions

Conversions Part 2

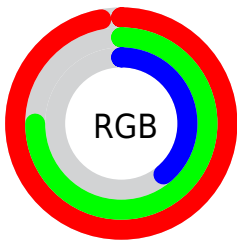
Format	Color
RYB	190, 248, 100
Decimal	16302180
CIELab	81.06, 10.24, 53.27
CIElCh	81, 54.250, 79.116
Yxy	58.5758, 0.4318, 0.4225
Android (android.graphics.Color)	4294492260 (0xFFFF8C064)
YUV	198.2560, -48.4402, 43.6255
Hunter-Lab	76.5348, 5.6859, 37.9259

Details

The Yxy color **58.5758, 0.4318, 0.4225** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.2603, 0.2120, 0.2069**, and the grayscale version is **56.9084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6947, 0.3753, 0.4225**, and **29.3700, 0.4571, 0.4401** is the 20% darker color. If you saturate the color by 10%, you get **54.1786, 0.4541, 0.4328**, and if you desaturate by 10%, it is **63.3876, 0.4089, 0.4090**.

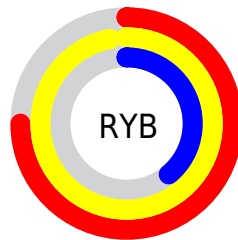
Distribution



Red (97%)

Green (75%)

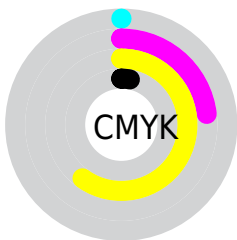
Blue (39%)



Red (75%)

Yellow (97%)

Blue (39%)

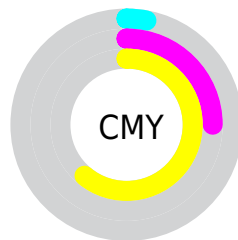


Cyan (0%)

Magenta (23%)

Yellow (60%)

Black (3%)



Cyan (3%)

Magenta (25%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5758, 0.4318, 0.4225 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 58.5758, 0.4318, 0.4225 by changing the saturation by 10% instead.


 58.5758, 0.4318,
0.4225

 58.5758, 0.4318,
0.4225


419.3281, 0.3767,
0.3816


 42.2717, 0.4436,
0.4305

 102.7609, 0.4131,
0.4092


 29.3141, 0.4576,
0.4395


 131.4107, 0.4057,
0.4037

 19.3186, 0.4740,
0.4493


 164.9445, 0.3992,
0.3989

 11.9007, 0.4930,
0.4589

 203.7468, 0.3936,
0.3946

 6.6761, 0.5235,
0.4751

248.2019, 0.3886,
0.3908

 3.2604, 0.5339,
0.4661

298.6942, 0.3842,

 1.2691, 0.5503,

0.3874

0.4497

355.6081, 0.3802,
0.3844

■ 0.1171, 0.7552,
0.2448

■ 0.0000, 0.0000,
0.0000

■ 58.5758, 0.4318,
0.4225

■ 58.5758, 0.4318,
0.4225

■ 54.1786, 0.4541,
0.4328

■ 63.3876, 0.4089,
0.4090

■ 50.1689, 0.4748,
0.4388

■ 68.6222, 0.3866,
0.3934


■ 46.5283, 0.4926,
0.4395


■ 74.2979, 0.3654,
0.3769


■ 43.2252, 0.5071,
0.4353

■ 80.4290, 0.3459,
0.3603

 43.1277, 0.5076,
0.4352

 87.0289, 0.3282,
0.3440

 94.1104, 0.3123,
0.3285

 98.6999, 0.3084,
0.3290

Harmonies

Analogous

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



58.5758, 0.4525, 0.3729



58.5758, 0.4318, 0.4225



58.5758, 0.3797, 0.4550

Triad

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



58.5758, 0.4318, 0.4225



58.5758, 0.2061, 0.3209



58.5758, 0.2998, 0.2382

Complementary

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



58.5758, 0.4318, 0.4225



33.2603, 0.2120, 0.2069

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.



58.5758, 0.2391, 0.2220



58.5758, 0.4318, 0.4225



58.5758, 0.1902, 0.2611

Square

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



58.5758, 0.4318, 0.4225



58.5758, 0.2494, 0.3949



58.5758, 0.2016, 0.2285



58.5758, 0.3718, 0.2730

Rectangle

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



58.5758, 0.4318, 0.4225



58.5758, 0.3356, 0.4561



58.5758, 0.2016, 0.2285



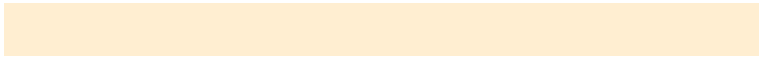
58.5758, 0.2774, 0.2305

Sweetspot

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



58.5787, 0.4318, 0.4225



86.8034, 0.3428, 0.3575



31.4938, 0.4250, 0.2713



18.1561, 0.3482, 0.3623



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.



58.5787, 0.4318, 0.4225



56.6394, 0.4593, 0.4347



85.0126, 0.3849, 0.4760



19.0226, 0.3278, 0.3437



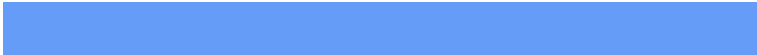
23.5727, 0.5058, 0.4366



2.3874, 0.4927, 0.4470

Inverse Universe

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



33.2603, 0.2120, 0.2069



27.5868, 0.1933, 0.1767



19.6864, 0.2067, 0.1410



17.7193, 0.2979, 0.3138



8.2189, 0.1666, 0.1198



0.9581, 0.1732, 0.1434

Previews

White Background



This preview shows how the Yxy color 58.5758, 0.4318, 0.4225 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 58.5758, 0.4318, 0.4225 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 58.5758, 0.4318, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 58.5758, 0.4318, 0.4225.



This preview shows how white text looks on a background with the Yxy color 58.5758, 0.4318, 0.4225.

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

58.5758, 0.4318, 0.4225

Protanopia

58.9083, 0.4022, 0.4387

Deuteranopia

58.5758, 0.4318, 0.4225



Tritanopia

58.6560, 0.3649, 0.3156

Trichromacy



Original Color

58.5758, 0.4318, 0.4225

Protanomaly

58.5033, 0.4130, 0.4324

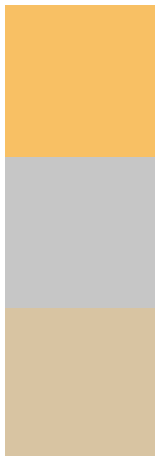
Deuteranomaly

58.5758, 0.4318, 0.4225

Tritanomaly

58.3513, 0.3916, 0.3568

Monochromacy



Original Color

58.5758, 0.4318, 0.4225

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.6874, 0.3555, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5758, 0.4318, 0.4225 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(248, 192, 100)` looks like.

```
.text, #text, p{  
    color:rgb(248, 192, 100)  
}
```

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(248, 192, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 192, 100) }
```

Border

The CSS property to change the border of an element to Yxy 58.5758, 0.4318, 0.4225 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(248, 192, 100) }
```

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

```
.border{ border-color:rgb(248, 192, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 192, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 192, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 192, 100);  
box-shadow:4px 4px 4px 4px rgb(248, 192,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5758, 0.4318, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 192, 100) }
```

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

```
.background{ background-color: rgb(248,  
192, 100) }
```

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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