

Converting Colors

$Yxy(58.6298, 0.4583, 0.4428)$

Have a look what the booklet for
Yxy(58.6298, 0.4583, 0.4428)
contains.

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Color

Yxy(58.4686, 0.4586, 0.4424)

Conversions

Conversions Part 1

Format	Color
Hex	FFBE41
RGB	255, 190, 65
RGB Percent	100%, 75%, 25%
CMY	0.0000, 0.2549, 0.7453
CMYK	0.00, 0.25, 0.75, 0.00
HSL	39°, 100%, 63%
HSV	39°, 75%, 100%
XYZ	60.6096, 58.4686, 13.0841
YIQ	195.1850, 78.8650, -25.0950

Conversions

Conversions Part 2

Format	Color
RYB	164, 255, 65
Decimal	16760385
CIELab	81.00, 12.27, 68.54
CIELCh	81, 69.634, 79.853
Yxy	58.4686, 0.4586, 0.4424
Android (android.graphics.Color)	4294950465 (0xFFFFBE41)
YUV	195.1850, -64.1812, 52.4578
Hunter-Lab	76.4648, 7.6743, 43.3801

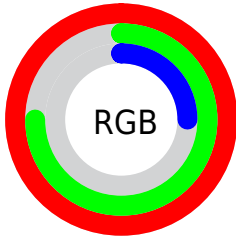
Details

The Yxy color **58.4686, 0.4586, 0.4424** is a light color, and the websafe version is hex **FFCC33**.

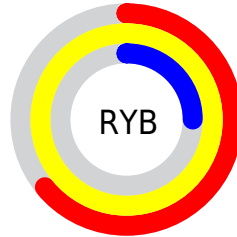
The color can be described as light washed orange. A complement of this color would be **24.2936, 0.1876, 0.1616**, and the grayscale version is **55.0414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5276, 0.3941, 0.4496**, and **29.3607, 0.4830, 0.4547** is the 20% darker color. If you saturate the color by 10%, you get **54.5721, 0.4763, 0.4466**, and if you desaturate by 10%, it is **62.7259, 0.4385, 0.4334**.

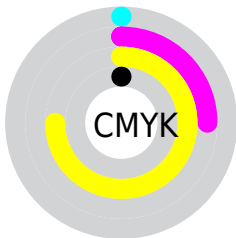
Distribution



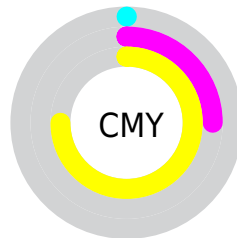
- Red (100%)
- Green (75%)
- Blue (25%)



- Red (64%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (25%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4686, 0.4586, 0.4424 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 58.4686, 0.4586, 0.4424 by changing the saturation by 10% instead.


 58.4686, 0.4586,
0.4424

 58.4686, 0.4586,
0.4424

418.9298, 0.3937,
0.3959


 42.1855, 0.4713,
0.4502

 102.6049, 0.4375,
0.4283

 29.2466, 0.4855,
0.4581


 131.2269, 0.4288,
0.4222


 19.2674, 0.5008,
0.4651


 164.7307, 0.4212,
0.4166

 11.8637, 0.5207,
0.4733

 203.5007, 0.4144,
0.4116

 6.6509, 0.5314,
0.4686

 247.9211, 0.4083,
0.4071

 3.2448, 0.5428,
0.4572

298.3765, 0.4029,

 1.2608, 0.5621,

0.4030

0.4379

355.2513, 0.3981,
0.3993

■ 0.1106, 0.7854,
0.2146

■ 0.0000, 0.0000,
0.0000

■ 58.4686, 0.4586,
0.4424

■ 58.4686, 0.4586,
0.4424

■ 54.5721, 0.4763,
0.4466

■ 62.7259, 0.4385,
0.4334


■ 51.0107, 0.4907,
0.4456


■ 67.3615, 0.4171,
0.4206

■ 49.1878, 0.4974,
0.4432

■ 72.3935, 0.3955,
0.4051

■ 77.8377, 0.3745,
0.3881

 83.7086, 0.3547,
0.3706

 90.0198, 0.3363,
0.3531

 96.7841, 0.3197,
0.3363

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.



58.4686, 0.4897, 0.3794



58.4686, 0.4586, 0.4424



58.4686, 0.3906, 0.4894

Triad

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



58.4686, 0.4586, 0.4424



58.4686, 0.1788, 0.3136



58.4686, 0.2971, 0.2182

Complementary

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



58.4686, 0.4586, 0.4424



24.2936, 0.1876, 0.1616

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.



58.4686, 0.2217, 0.1978



58.4686, 0.4586, 0.4424



58.4686, 0.1621, 0.2398

Square

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



58.4686, 0.4586, 0.4424



58.4686, 0.2294, 0.4129



58.4686, 0.1767, 0.2032



58.4686, 0.3898, 0.2601

Rectangle

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



58.4686, 0.4586, 0.4424



58.4686, 0.3353, 0.4950



58.4686, 0.1767, 0.2032



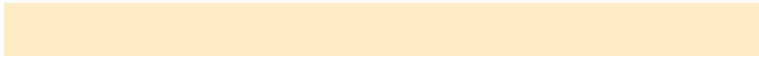
58.4686, 0.2689, 0.2087

Sweetspot

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



58.4694, 0.4586, 0.4424



85.2626, 0.3499, 0.3661



26.6864, 0.4810, 0.2716



17.8933, 0.3550, 0.3709



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.



58.4694, 0.4586, 0.4424



52.9399, 0.4831, 0.4468



88.1496, 0.3904, 0.5043



19.9831, 0.3278, 0.3446



25.9903, 0.4958, 0.4445



2.7338, 0.4848, 0.4532

Inverse Universe

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



24.2936, 0.1876, 0.1616



17.7071, 0.1712, 0.1282



13.3461, 0.1832, 0.0998



18.3933, 0.2979, 0.3129



7.6002, 0.1638, 0.1098



0.9336, 0.1701, 0.1321

Previews

White Background



This preview shows how the Yxy color 58.4686, 0.4586, 0.4424 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 58.4686, 0.4586, 0.4424 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 58.4686, 0.4586, 0.4424

Background



This preview shows how black text looks on a background with the Yxy color 58.4686, 0.4586, 0.4424.



This preview shows how white text looks on a background with the Yxy color 58.4686, 0.4586, 0.4424.

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

58.4686, 0.4586, 0.4424

Protanopia

58.6660, 0.4228, 0.4661

Deuteranopia

58.3387, 0.4553, 0.4447



Tritanopia

58.5662, 0.3667, 0.3177

Trichromacy



Original Color

58.4686, 0.4586, 0.4424

Protanomaly

58.6263, 0.4356, 0.4576

Deuteranomaly

58.5259, 0.4561, 0.4442

Tritanomaly

58.0332, 0.4066, 0.3700

Monochromacy



Original Color

58.4686, 0.4586, 0.4424

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

55.0298, 0.3685, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4686, 0.4586, 0.4424 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 65) }
```

Border

The CSS property to change the border of an element to Yxy 58.4686, 0.4586, 0.4424 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, 65) }
```

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

```
.border{ border-color:rgb(255, 190, 65) }
```

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, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4686, 0.4586, 0.4424 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, 65) }
```

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

```
.background{ background-color: rgb(255,  
190, 65) }
```

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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