

Converting Colors

Yxy(63.8102, 0.4497, 0.4540)

Have a look what the booklet for
Yxy(63.8102, 0.4497, 0.4540)
contains.

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Color

Yxy(63.8489, 0.4496, 0.4540)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA3E
RGB	255, 202, 62
RGB Percent	100%, 79%, 24%
CMY	0.0000, 0.2078, 0.7566
CMYK	0.00, 0.21, 0.76, 0.00
HSL	44°, 100%, 62%
HSV	44°, 76%, 100%
XYZ	63.2301, 63.8489, 13.5573
YIQ	201.8870, 76.5280, -32.3040

Conversions

Conversions Part 2

Format	Color
RYB	135, 255, 62
Decimal	16763454
CIELab	83.89, 5.93, 72.35
CIELCh	84, 72.592, 85.312
Yxy	63.8489, 0.4496, 0.4540
Android (android.graphics.Color)	4294953534 (0xFFFFCA3E)
YUV	201.8870, -68.9643, 46.5801
Hunter-Lab	79.9055, 1.4144, 45.8743

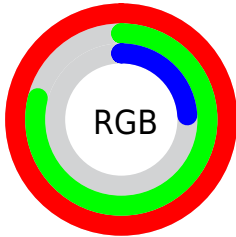
Details

The Yxy color **63.8489, 0.4496, 0.4540** is a light color, and the websafe version is hex **FFCC33**.

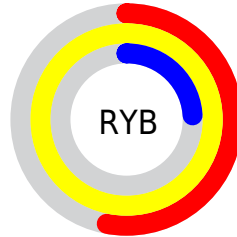
The color can be described as light washed yellow. A complement of this color would be **20.5189, 0.1819, 0.1426**, and the grayscale version is **59.3969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1119, 0.3903, 0.4572**, and **32.6491, 0.4687, 0.4660** is the 20% darker color. If you saturate the color by 10%, you get **60.4219, 0.4639, 0.4589**, and if you desaturate by 10%, it is **67.5625, 0.4326, 0.4443**.

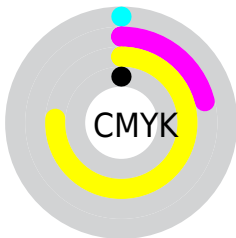
Distribution



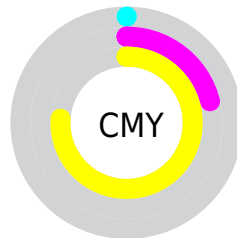
- Red (100%)
- Green (79%)
- Blue (24%)



- Red (53%)
- Yellow (100%)
- Blue (24%)



- Cyan (0%)
- Magenta (21%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8489, 0.4496, 0.4540 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 63.8489, 0.4496, 0.4540 by changing the saturation by 10% instead.


 63.8489, 0.4496,
0.4540

 63.8489, 0.4496,
0.4540


438.6438, 0.3907,
0.4022


 46.5283, 0.4606,
0.4630


 110.3933, 0.4309,
0.4381

 32.6629, 0.4726,
0.4724


 140.3859, 0.4231,
0.4313

 21.8683, 0.4851,
0.4814


 175.3713, 0.4161,
0.4251

 13.7602, 0.5002,
0.4915

 215.7338, 0.4099,
0.4196

 7.9541, 0.5077,
0.4923

 261.8580, 0.4043,
0.4146

 4.0656, 0.5127,
0.4873

314.1281, 0.3993,

 1.7103, 0.5211,

0.4101

0.4789

372.9286, 0.3948,
0.4060

■ 0.4303, 0.5628,
0.4372

■ 0.0000, 0.0000,
0.0000

■ 63.8489, 0.4496,
0.4540

■ 63.8489, 0.4496,
0.4540

■ 60.4219, 0.4639,
0.4589

■ 67.5625, 0.4326,
0.4443

■ 57.2501, 0.4751,
0.4588

■ 71.5715, 0.4139,
0.4307

■ 55.9410, 0.4793,
0.4577

■ 75.8948, 0.3943,
0.4142

■ 80.5466, 0.3747,
0.3959

■ 85.5396, 0.3558,
0.3768

■ 90.8860, 0.3379,
0.3577

■ 96.5968, 0.3214,
0.3391

■ 99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



63.8489, 0.4897, 0.3914



63.8489, 0.4496, 0.4540



63.8489, 0.3764, 0.4956

Triad

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



63.8489, 0.4496, 0.4540



63.8489, 0.1718, 0.2969



63.8489, 0.3133, 0.2233

Complementary

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



63.8489, 0.4496, 0.4540



20.5189, 0.1819, 0.1426

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.



63.8489, 0.2324, 0.1984



63.8489, 0.4496, 0.4540



63.8489, 0.1610, 0.2293

Square

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



63.8489, 0.4496, 0.4540



63.8489, 0.2166, 0.3957



63.8489, 0.1813, 0.1988



63.8489, 0.4072, 0.2688

Rectangle

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



63.8489, 0.4496, 0.4540



63.8489, 0.3197, 0.4933



63.8489, 0.1813, 0.1988



63.8489, 0.2836, 0.2124

Sweetspot

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



63.8520, 0.4496, 0.4540



86.9314, 0.3509, 0.3717



25.9891, 0.5046, 0.2841



18.2049, 0.3575, 0.3786



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.



63.8520, 0.4496, 0.4540



58.7007, 0.4703, 0.4595



86.0401, 0.3818, 0.5123



20.1974, 0.3276, 0.3462



29.4943, 0.4780, 0.4586



3.0545, 0.4698, 0.4652

Inverse Universe

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



20.5189, 0.1819, 0.1426



14.1664, 0.1649, 0.1072



13.6068, 0.1887, 0.1008



18.1895, 0.2979, 0.3112



6.2758, 0.1593, 0.0936



0.7842, 0.1653, 0.1150

Previews

White Background



This preview shows how the Yxy color 63.8489, 0.4496, 0.4540 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 63.8489, 0.4496, 0.4540 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 63.8489, 0.4496, 0.4540

Background



This preview shows how black text looks on a background with the Yxy color 63.8489, 0.4496, 0.4540.



This preview shows how white text looks on a background with the Yxy color 63.8489, 0.4496, 0.4540.

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

63.8489, 0.4496, 0.4540

Protanopia

64.1255, 0.4266, 0.4697

Deuteranopia

64.0532, 0.4282, 0.4241



Tritanopia

63.7596, 0.3549, 0.3178

Trichromacy



Original Color

63.8489, 0.4496, 0.4540

Protanomaly

63.8618, 0.4349, 0.4642

Deuteranomaly

63.7546, 0.4377, 0.4365

Tritanomaly

63.0069, 0.3967, 0.3750

Monochromacy



Original Color

63.8489, 0.4496, 0.4540

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

59.8476, 0.3665, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8489, 0.4496, 0.4540 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, 202, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 62)  
}
```

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, 202, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 62) }
```

Border

The CSS property to change the border of an element to Yxy 63.8489, 0.4496, 0.4540 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, 202, 62) }
```

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

```
.border{ border-color:rgb(255, 202, 62) }
```

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

Here you see how a box with a 4 pixel rgb(255, 202, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8489, 0.4496, 0.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 62) }
```

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

```
.background{ background-color: rgb(255,  
202, 62) }
```

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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