

Converting Colors

Yxy(63.2403, 0.4341, 0.4654)

Have a look what the booklet for
Yxy(63.2403, 0.4341, 0.4654)
contains.

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Color

Yxy(63.0157, 0.4345, 0.4650)

Conversions

Conversions Part 1

Format	Color
Hex	F0CE3E
RGB	240, 206, 62
RGB Percent	94%, 81%, 24%
CMY	0.0587, 0.1922, 0.7568
CMYK	0.00, 0.14, 0.74, 0.06
HSL	49°, 86%, 59%
HSV	49°, 74%, 94%
XYZ	58.8824, 63.0157, 13.6195
YIQ	199.7500, 66.4880, -37.5760

Conversions

Conversions Part 2

Format	Color
RYB	104, 240, 62
Decimal	15781438
CIELab	83.45, -2.43, 71.44
CIElCh	83, 71.485, 91.947
Yxy	63.0157, 0.4345, 0.4650
Android (android.graphics.Color)	4293971518 (0xFFFF0CE3E)
YUV	199.7500, -67.9107, 35.2993
Hunter-Lab	79.3824, -6.5158, 45.3954

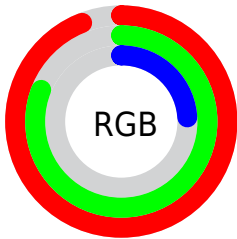
Details

The Yxy color **63.0157, 0.4345, 0.4650** is a light color, and the websafe version is hex **FFCC33**.

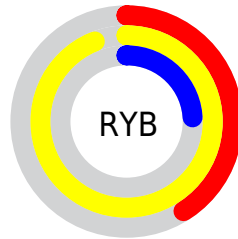
The color can be described as light washed yellow. A complement of this color would be **15.6918, 0.1797, 0.1287**, and the grayscale version is **57.9965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1119, 0.3903, 0.4572**, and **32.1598, 0.4496, 0.4812** is the 20% darker color. If you saturate the color by 10%, you get **60.6338, 0.4460, 0.4721**, and if you desaturate by 10%, it is **65.5845, 0.4204, 0.4534**.

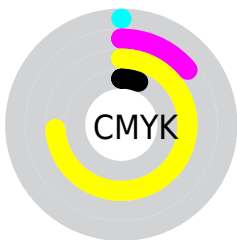
Distribution



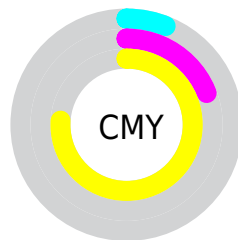
- Red (94%)
- Green (81%)
- Blue (24%)



- Red (41%)
- Yellow (94%)
- Blue (24%)



- Cyan (0%)
- Magenta (14%)
- Yellow (74%)
- Black (6%)





- Cyan (6%)
- Magenta (19%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0157, 0.4345, 0.4650 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 63.0157, 0.4345, 0.4650 by changing the saturation by 10% instead.


 63.0157, 0.4345,
0.4650

 63.0157, 0.4345,
0.4650

435.6265, 0.3827,
0.4063

 45.8539, 0.4439,
0.4760


 109.1922, 0.4183,
0.4463


 32.1306, 0.4539,
0.4879

 138.9756, 0.4114,
0.4385

 21.4612, 0.4640,
0.5003

 173.7351, 0.4053,
0.4316

 13.4616, 0.4757,
0.5150

 213.8550, 0.3998,
0.4254

 7.7471, 0.4787,
0.5213

 259.7197, 0.3948,
0.4198

 3.9336, 0.4765,
0.5235

311.7135, 0.3904,

 1.6365, 0.4728,

0.4149

0.5272

370.2210, 0.3864,
0.4104

■ 0.3820, 0.4430,
0.5570

■ 0.0000, 0.0000,
0.0000

■ 63.0157, 0.4345,
0.4650

■ 63.0157, 0.4345,
0.4650

■ 60.6338, 0.4460,
0.4721

■ 65.5845, 0.4204,
0.4534


■ 58.4124, 0.4545,
0.4745


■ 68.3451, 0.4043,
0.4379


■ 57.1761, 0.4584,
0.4742


■ 71.3128, 0.3870,
0.4196


■ 74.4987, 0.3693,
0.3995

 77.9125, 0.3518,
0.3786

 81.5636, 0.3349,
0.3576

 85.4604, 0.3190,
0.3372

 89.6110, 0.3043,
0.3178

 92.4489, 0.3037,
0.3214

Harmonies

Analogous

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



63.0157, 0.4832, 0.4053



63.0157, 0.4345, 0.4650



63.0157, 0.3577, 0.4965

Triad

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



63.0157, 0.4345, 0.4650



63.0157, 0.1679, 0.2792



63.0157, 0.3339, 0.2327

Complementary

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



63.0157, 0.4345, 0.4650



15.6918, 0.1797, 0.1287

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.



63.0157, 0.2487, 0.2030



63.0157, 0.4345, 0.4650



63.0157, 0.1642, 0.2207

Square

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



63.0157, 0.4345, 0.4650



63.0157, 0.2048, 0.3723



63.0157, 0.1910, 0.1975



63.0157, 0.4249, 0.2815

Rectangle

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



63.0157, 0.4345, 0.4650



63.0157, 0.3010, 0.4832



63.0157, 0.1910, 0.1975



63.0157, 0.3032, 0.2203

Sweetspot

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



63.0187, 0.4345, 0.4650



90.2466, 0.3482, 0.3742



22.8516, 0.5211, 0.2988



19.0794, 0.3529, 0.3799



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.



63.0187, 0.4345, 0.4650



68.2400, 0.4507, 0.4739



73.1992, 0.3704, 0.5171



17.9154, 0.3273, 0.3480



31.4793, 0.4576, 0.4748



2.7492, 0.4517, 0.4796

Inverse Universe

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



15.6918, 0.1797, 0.1287



12.0293, 0.1617, 0.0935



13.4137, 0.2019, 0.1102



15.7177, 0.2980, 0.3093



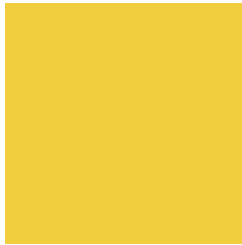
4.6517, 0.1551, 0.0783



0.5196, 0.1613, 0.1006

Previews

White Background



This preview shows how the Yxy color 63.0157, 0.4345, 0.4650 looks on a white background.

Color Contrast Check

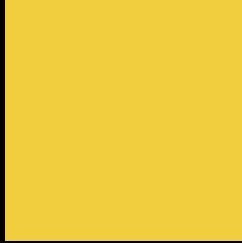
Large Text (above 18pt) WCAG AA × Fail

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 63.0157, 0.4345, 0.4650 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 63.0157, 0.4345, 0.4650

Background



This preview shows how black text looks on a background with the Yxy color 63.0157, 0.4345, 0.4650.



This preview shows how white text looks on a background with the Yxy color 63.0157, 0.4345, 0.4650.

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

63.0157, 0.4345, 0.4650

Protanopia

62.7943, 0.4269, 0.4698

Deuteranopia

62.9699, 0.4345, 0.4287



Tritanopia

62.7135, 0.3494, 0.3135

Trichromacy



Original Color

63.0157, 0.4345, 0.4650

Protanomaly

62.8174, 0.4301, 0.4674

Deuteranomaly

63.2051, 0.4356, 0.4430

Tritanomaly

62.0398, 0.3880, 0.3752

Monochromacy



Original Color

63.0157, 0.4345, 0.4650

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.8901, 0.3622, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0157, 0.4345, 0.4650 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(240, 206, 62)` looks like.

```
.text, #text, p{  
    color:rgb(240, 206, 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(240, 206, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 206, 62) }
```

Border

The CSS property to change the border of an element to Yxy 63.0157, 0.4345, 0.4650 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(240, 206, 62) }
```

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

```
.border{ border-color:rgb(240, 206, 62) }
```

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

Here you see how a box with a 4 pixel rgb(240, 206, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 206, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 206, 62);  
box-shadow:4px 4px 4px 4px rgb(240, 206,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0157, 0.4345, 0.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 206, 62) }
```

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

```
.background{ background-color: rgb(240,  
206, 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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