

Converting Colors

Yxy(63.4940, 0.4562, 0.4899)

Have a look what the booklet for
Yxy(63.4940, 0.4562, 0.4899)
contains.

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Color

Yxy(63.8587, 0.4494, 0.4814)

Conversions

Conversions Part 1

Format	Color
Hex	F4CF00
RGB	244, 207, 0
RGB Percent	96%, 81%, 0%
CMY	0.0432, 0.1882, 1.0000
CMYK	0.00, 0.15, 1.00, 0.04
HSL	51°, 100%, 48%
HSV	51°, 100%, 96%
XYZ	59.6138, 63.8587, 9.1795
YIQ	194.4650, 88.4990, -56.5330

Conversions

Conversions Part 2

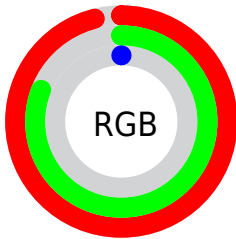
Format	Color
R_{YB}	44, 244, 0
Decimal	16043776
CIE _{Lab}	83.89, -2.57, 84.53
CIE _{LCh}	84, 84.570, 91.744
Yxy	63.8587, 0.4494, 0.4814
Android (android.graphics.Color)	4294233856 (0xFFFF4CF00)
YUV	194.4650, -95.8712, 43.4422
Hunter-Lab	79.9116, -6.6849, 49.1275

Details

The Yxy color **63.8587, 0.4494, 0.4814** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **7.8505, 0.1530, 0.0707**, and the grayscale version is **54.7807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4681, 0.4035, 0.4791**, and **32.8497, 0.4515, 0.4797** is the 20% darker color. If you saturate the color by 10%, you get **63.8621, 0.4494, 0.4814**, and if you desaturate by 10%, it is **65.7417, 0.4436, 0.4805**.

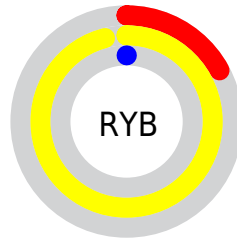
Distribution



Red (96%)

Green (81%)

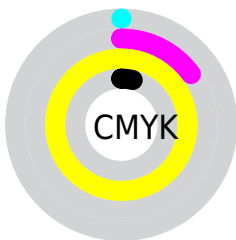
Blue (0%)



Red (17%)

Yellow (96%)

Blue (0%)

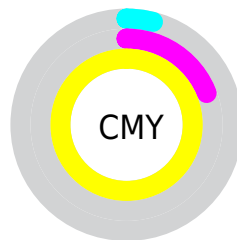


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (19%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8587, 0.4494, 0.4814 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 63.8587, 0.4494, 0.4814 by changing the saturation by 10% instead.


 63.8587, 0.4494,
0.4814

 63.8587, 0.4494,
0.4814


438.6792, 0.3946,
0.4191

 46.5362, 0.4581,
0.4917

 110.4074, 0.4333,
0.4627


 32.6692, 0.4665,
0.5020


 140.4025, 0.4261,
0.4545


 21.8731, 0.4743,
0.5120


 175.3905, 0.4195,
0.4471

 13.7637, 0.4798,
0.5202

 215.7559, 0.4136,
0.4403

 7.9565, 0.4783,
0.5217

 261.8831, 0.4081,
0.4343

 4.0671, 0.4760,
0.5240

 314.1564, 0.4032,

 1.7112, 0.4722,

0.4287

0.5278

372.9603, 0.3987,
0.4237

■ 0.4309, 0.4459,
0.5541

■ 0.0000, 0.0000,
0.0000

■ 63.8587, 0.4494,
0.4814

■ 63.8587, 0.4494,
0.4814

■ 63.8621, 0.4494,
0.4814

■ 65.7417, 0.4436,
0.4805

■ 67.7484, 0.4353,
0.4756

■ 69.9086, 0.4241,
0.4661

■ 72.2386, 0.4104,
0.4522

■ 74.7518, 0.3949,
0.4349

■ 77.4601, 0.3782,
0.4150

■ 80.3740, 0.3612,
0.3937

■ 83.5035, 0.3443,
0.3718

■ 86.8573, 0.3280,
0.3500

Harmonies

Analogous

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



63.8587, 0.5086, 0.4098



63.8587, 0.4494, 0.4814



63.8587, 0.3606, 0.5262

Triad

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



63.8587, 0.4494, 0.4814



63.8587, 0.1477, 0.2689



63.8587, 0.3355, 0.2187

Complementary

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



63.8587, 0.4494, 0.4814



7.8505, 0.1530, 0.0707

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.



63.8587, 0.2374, 0.1859



63.8587, 0.4494, 0.4814



63.8587, 0.1444, 0.2037

Square

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



63.8587, 0.4494, 0.4814



63.8587, 0.1875, 0.3800



63.8587, 0.1736, 0.1794



63.8587, 0.4437, 0.2726

Rectangle

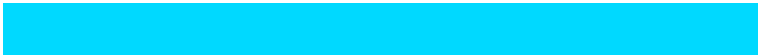
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.8587, 0.4494, 0.4814



63.8587, 0.2961, 0.5149



63.8587, 0.1736, 0.1794



63.8587, 0.2997, 0.2051

Sweetspot

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



63.8621, 0.4494, 0.4814



88.8424, 0.3613, 0.3938



19.3862, 0.6189, 0.3183



18.7185, 0.3685, 0.4030



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.



63.8621, 0.4494, 0.4814



70.5628, 0.4495, 0.4813



72.4352, 0.3608, 0.5517



18.8607, 0.3272, 0.3489



34.8952, 0.4488, 0.4818



3.1804, 0.4445, 0.4852

Inverse Universe

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



7.8505, 0.1530, 0.0707



8.6467, 0.1529, 0.0705



8.2938, 0.1730, 0.0726



16.3318, 0.2979, 0.3083



4.3915, 0.1535, 0.0725



0.5050, 0.1587, 0.0914

Previews

White Background



This preview shows how the Yxy color 63.8587, 0.4494, 0.4814 looks on a white background.

Color Contrast Check

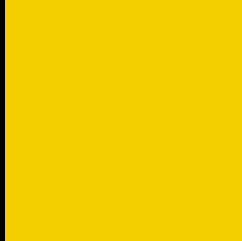
Large Text (above 18pt) WCAG AA × Fail

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 63.8587, 0.4494, 0.4814 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 63.8587, 0.4494, 0.4814

Background



This preview shows how black text looks on a background with the Yxy color 63.8587, 0.4494, 0.4814.



This preview shows how white text looks on a background with the Yxy color 63.8587, 0.4494, 0.4814.

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

63.8587, 0.4494, 0.4814

Protanopia

63.9436, 0.4398, 0.4875

Deuteranopia

63.9729, 0.4307, 0.4273



Tritanopia

63.9049, 0.3524, 0.3147

Trichromacy



Original Color

63.8587, 0.4494, 0.4814

Protanomaly

63.9626, 0.4433, 0.4853

Deuteranomaly

63.5913, 0.4449, 0.4558

Tritanomaly

62.5633, 0.4080, 0.3979

Monochromacy



Original Color

63.8587, 0.4494, 0.4814

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

56.2740, 0.3808, 0.4189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8587, 0.4494, 0.4814 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(244, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(244, 207, 0)  
}
```

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(244, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 207, 0) }
```

Border

The CSS property to change the border of an element to Yxy 63.8587, 0.4494, 0.4814 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(244, 207, 0) }
```

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

```
.border{ border-color:rgb(244, 207, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 207, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 207, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 207, 0);  
box-shadow:4px 4px 4px 4px rgb(244, 207,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8587, 0.4494, 0.4814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 207, 0) }
```

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

```
.background{ background-color: rgb(244,  
207, 0) }
```

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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