

Converting Colors

$Y_{xy}(85.1299, 0.4053, 0.4595)$

Have a look what the booklet for
Yxy(85.1299, 0.4053, 0.4595)
contains.

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Color

Yxy(85.1299, 0.4053, 0.4595)

Conversions

Conversions Part 1	
Format	Color
Hex	FFF166
RGB	255, 241, 102
RGB Percent	100%, 95%, 40%
CMY	0.0001, 0.0549, 0.5999
CMYK	0.00, 0.05, 0.60, 0.00
HSL	55°, 100%, 70%
HSV	55°, 60%, 100%
XYZ	75.0885, 85.1299, 25.0480
YIQ	229.3400, 52.9630, -40.2610

Conversions

Conversions Part 2

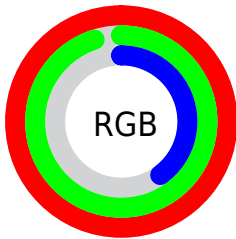
Format	Color
RYB	117, 255, 102
Decimal	16773478
CIELab	93.94, -11.66, 67.00
CIELCh	94, 68.010, 99.868
Yxy	85.1299, 0.4053, 0.4595
Android (android.graphics.Color)	4294963558 (0xFFFFF166)
YUV	229.3400, -62.7786, 22.5038
Hunter-Lab	92.2659, -16.1971, 48.4903

Details

The Yxy color **85.1299, 0.4053, 0.4595** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.5314, 0.1989, 0.1505**, and the grayscale version is **79.0623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **46.4819, 0.4198, 0.4841** is the 20% darker color. If you saturate the color by 10%, you get **83.3337, 0.4171, 0.4740**, and if you desaturate by 10%, it is **87.1072, 0.3914, 0.4414**.

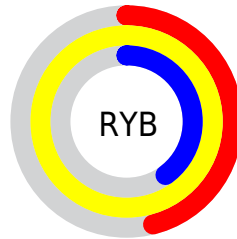
Distribution



Red (100%)

Green (95%)

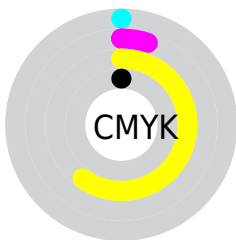
Blue (40%)



Red (46%)

Yellow (100%)

Blue (40%)

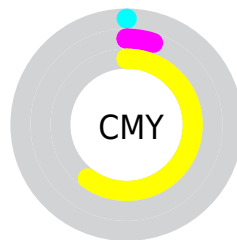


Cyan (0%)

Magenta (5%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1299, 0.4053, 0.4595 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 85.1299, 0.4053, 0.4595 by changing the saturation by 10% instead.


 85.1299, 0.4053,
0.4595

 85.1299, 0.4053,
0.4595


512.0578, 0.3677,
0.4029


 63.9487, 0.4122,
0.4708


 140.5547, 0.3936,
0.4411


 46.6091, 0.4196,
0.4839


 175.5670, 0.3886,
0.4335

 32.7268, 0.4276,
0.4988


 215.9586, 0.3842,
0.4269

 21.9172, 0.4353,
0.5155

 262.1137, 0.3802,
0.4210

 13.7961, 0.4421,
0.5342

314.4168, 0.3766,
0.4157

 7.9790, 0.4458,
0.5542


373.2522, 0.3733,


 4.0815, 0.4351,


0.4110

0.5649


439.0044, 0.3703,
0.4068


 1.7193, 0.4171,
0.5829


 0.4361, 0.2296,
0.7704

 85.1299, 0.4053,
0.4595


 85.1299, 0.4053,
0.4595

 83.3337, 0.4171,
0.4740

 87.1072, 0.3914,
0.4414


 81.6918, 0.4263,
0.4842


 89.2667, 0.3761,
0.4205

 80.1905, 0.4327,
0.4898

 91.6239, 0.3600,
0.3980

 78.8009, 0.4366,
0.4915

 94.1895, 0.3438,
0.3747

 78.7995, 0.4366,
0.4915

 96.9732, 0.3279,
0.3515

99.9839, 0.3127,
0.3290

99.9960, 0.3127,
0.3290

Harmonies

Analogous

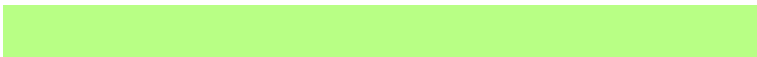
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1299, 0.4547, 0.4139



85.1299, 0.4053, 0.4595



85.1299, 0.3347, 0.4704

Triad

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



85.1299, 0.4053, 0.4595



85.1299, 0.1812, 0.2706



85.1299, 0.3531, 0.2543

Complementary

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



85.1299, 0.4053, 0.4595



22.5314, 0.1989, 0.1505

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.



85.1299, 0.2753, 0.2224



85.1299, 0.4053, 0.4595



85.1299, 0.1848, 0.2263

Square

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



85.1299, 0.4053, 0.4595



85.1299, 0.2072, 0.3444



85.1299, 0.2165, 0.2118



85.1299, 0.4266, 0.3018

Rectangle

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



85.1299, 0.4053, 0.4595



85.1299, 0.2853, 0.4467



85.1299, 0.2165, 0.2118



85.1299, 0.3262, 0.2416

Sweetspot

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



85.1339, 0.4053, 0.4595



94.7436, 0.3406, 0.3701



32.0539, 0.4835, 0.3149



20.1118, 0.3453, 0.3769



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.



85.1339, 0.4053, 0.4595



83.0071, 0.4192, 0.4764



83.9082, 0.3553, 0.4940



20.7903, 0.3271, 0.3504



41.2992, 0.4363, 0.4918



4.1006, 0.4342, 0.4935

Inverse Universe

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



22.5314, 0.1989, 0.1505



15.5810, 0.1777, 0.1145



24.5327, 0.2375, 0.1535



17.6443, 0.2979, 0.3067



4.1880, 0.1517, 0.0659



0.4937, 0.1550, 0.0780

Previews

White Background



This preview shows how the Yxy color 85.1299, 0.4053, 0.4595 looks on a white background.

Color Contrast Check

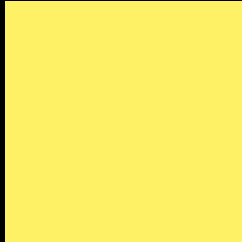
Large Text (above 18pt) WCAG AA × Fail

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 85.1299, 0.4053, 0.4595 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 85.1299, 0.4053, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 85.1299, 0.4053, 0.4595.

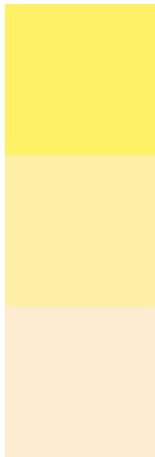


This preview shows how white text looks on a background with the Yxy color 85.1299, 0.4053, 0.4595.

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

85.1299, 0.4053, 0.4595

Protanopia

85.1622, 0.3708, 0.4013

Deuteranopia

84.7588, 0.3428, 0.3531



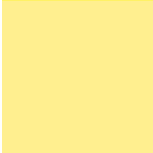
Tritanopia

84.7627, 0.3227, 0.3192

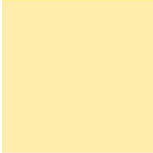
Trichromacy



Original Color
85.1299, 0.4053, 0.4595



Protanomaly
84.9762, 0.3846, 0.4241



Deuteranomaly
84.7686, 0.3679, 0.3954

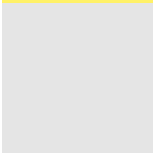


Tritanomaly
84.3944, 0.3560, 0.3744

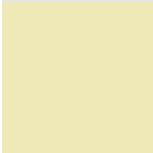
Monochromacy



Original Color
85.1299, 0.4053, 0.4595



Achromatopsia
78.3538, 0.3127, 0.3290



Achromatomaly
79.8739, 0.3487, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1299, 0.4053, 0.4595 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, 241, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 102)  
}
```

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, 241, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 102) }
```

Border

The CSS property to change the border of an element to Yxy 85.1299, 0.4053, 0.4595 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, 241, 102) }
```

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

```
.border{ border-color:rgb(255, 241, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 241, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1299, 0.4053, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 102) }
```

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

```
.background{ background-color: rgb(255,  
241, 102) }
```

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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