

Converting Colors

Yxy(85.6486, 0.3752, 0.4100)

Have a look what the booklet for
Yxy(85.6486, 0.3752, 0.4100)
contains.

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Color

Yxy(85.4616, 0.3755, 0.4100)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFEF9E |
| RGB | 255, 239, 158 |
| RGB Percent | 100%, 94%, 62% |
| CMY | 0.0001, 0.0627, 0.3804 |
| CMYK | 0.00, 0.06, 0.38, 0.00 |
| HSL | 50°, 100%, 81% |
| HSV | 50°, 38%, 100% |
| XYZ | 78.2703, 85.4616, 44.7110 |
| YIQ | 234.5500, 35.5370, -21.7990 |

Conversions

Conversions Part 2

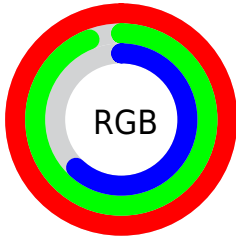
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 177, 255, 158 |
| Decimal | 16773022 |
| CIE Lab | 94.08, -5.83, 41.14 |
| CIE LCh | 94, 41.552, 98.068 |
| Yxy | 85.4616, 0.3755, 0.4100 |
| Android (android.graphics.Color) | 4294963102 (0xFFFFEF9E) |
| YUV | 234.5500, -37.7391, 17.9347 |
| Hunter-Lab | 92.4454, -10.6498, 36.0363 |

Details

The Yxy color **85.4616, 0.3755, 0.4100** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.7378, 0.2453, 0.2321**, and the grayscale version is **82.9892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **46.7572, 0.3885, 0.4273** is the 20% darker color. If you saturate the color by 10%, you get **82.2481, 0.3926, 0.4300**, and if you desaturate by 10%, it is **88.9221, 0.3582, 0.3887**.

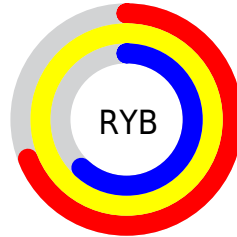
Distribution



Red (100%)

Green (94%)

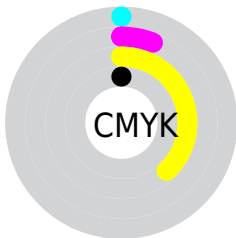
Blue (62%)



Red (69%)

Yellow (100%)

Blue (62%)

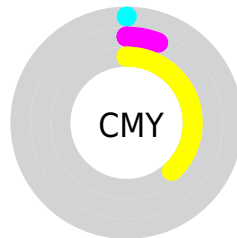


Cyan (0%)

Magenta (6%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4616, 0.3755, 0.4100 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 85.4616, 0.3755, 0.4100 by changing the saturation by 10% instead.


 85.4616, 0.3755,
0.4100


 85.4616, 0.3755,
0.4100


513.1542, 0.3481,
0.3738

 64.2229, 0.3812,
0.4178


 141.0179, 0.3664,
0.3978

 46.8312, 0.3880,
0.4272


 176.1043, 0.3627,
0.3929

 32.9022, 0.3961,
0.4386


216.5753, 0.3595,
0.3887

 22.0516, 0.4059,
0.4527

262.8154, 0.3567,
0.3850

 13.8948, 0.4175,
0.4703

315.2089, 0.3542,
0.3817

 8.0475, 0.4309,
0.4922

374.1403, 0.3520,

 4.1254, 0.4600,

0.3788

0.5365

439.9940, 0.3500,
0.3762

■ 1.7439, 0.4529,
0.5471

■ 0.4519, 0.3885,
0.6115

■ 85.4616, 0.3755,
0.4100

■ 85.4616, 0.3755,
0.4100

■ 82.2481, 0.3926,
0.4300

■ 88.9221, 0.3582,
0.3887

■ 79.2581, 0.4088,
0.4478

■ 92.6287, 0.3412,
0.3670

■ 76.4826, 0.4233,
0.4622

■ 96.5951, 0.3250,
0.3456

■ 73.9067, 0.4355,
0.4724

99.9954, 0.3127,
0.3290

■ 71.5132, 0.4448,
0.4780

■ 69.2787, 0.4513,
0.4790

■ 68.8526, 0.4524,
0.4790

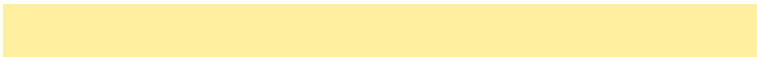
Harmonies

Analogous

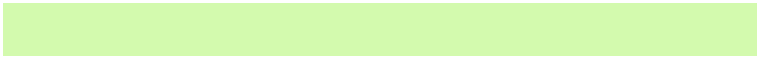
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4616, 0.4030, 0.3849



85.4616, 0.3755, 0.4100



85.4616, 0.3322, 0.4129

Triad

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



85.4616, 0.3755, 0.4100



85.4616, 0.2284, 0.2977



85.4616, 0.3356, 0.2793

Complementary

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



85.4616, 0.3755, 0.4100



44.7378, 0.2453, 0.2321

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.



85.4616, 0.2878, 0.2586



85.4616, 0.3755, 0.4100



85.4616, 0.2290, 0.2662

Square

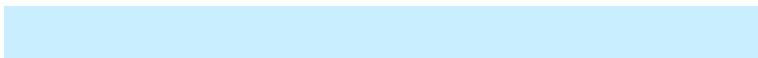
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.4616, 0.3755, 0.4100



85.4616, 0.2483, 0.3429



85.4616, 0.2498, 0.2533



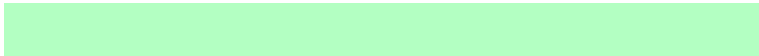
85.4616, 0.3798, 0.3114

Rectangle

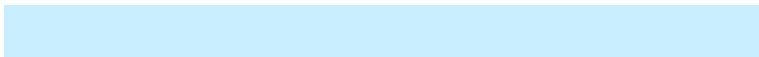
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.4616, 0.3755, 0.4100



85.4616, 0.3008, 0.3989



85.4616, 0.2498, 0.2533



85.4616, 0.3193, 0.2709

Sweetspot

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



85.4655, 0.3755, 0.4100



95.4135, 0.3297, 0.3519



48.7664, 0.3913, 0.3122



20.3062, 0.3319, 0.3548



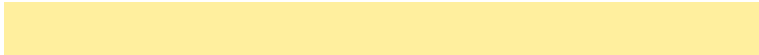
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

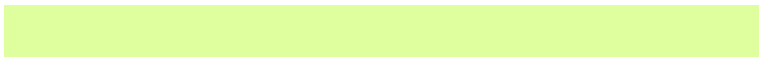
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4655, 0.3755, 0.4100



82.9030, 0.3892, 0.4261



89.6044, 0.3479, 0.4315



20.5518, 0.3273, 0.3487



36.1736, 0.4518, 0.4795



3.6515, 0.4474, 0.4829

Inverse Universe

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



44.7378, 0.2453, 0.2321



36.7126, 0.2293, 0.2076



42.6555, 0.2654, 0.2195



17.8605, 0.2979, 0.3085



4.7774, 0.1539, 0.0740



0.5951, 0.1588, 0.0915

Previews

White Background



This preview shows how the Yxy color 85.4616, 0.3755, 0.4100 looks on a white background.

Color Contrast Check

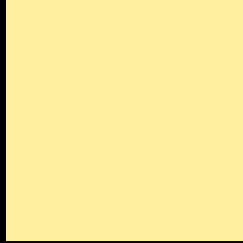
Large Text (above 18pt) WCAG AA × Fail

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 85.4616, 0.3755, 0.4100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

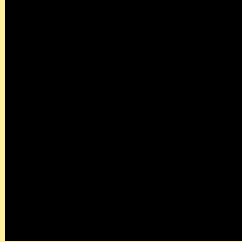
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.4616, 0.3755, 0.4100

Background



This preview shows how black text looks on a background with the Yxy color 85.4616, 0.3755, 0.4100.



This preview shows how white text looks on a background with the Yxy color 85.4616, 0.3755, 0.4100.

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

85.4616, 0.3755, 0.4100

Protanopia

85.4651, 0.3657, 0.3934

Deuteranopia

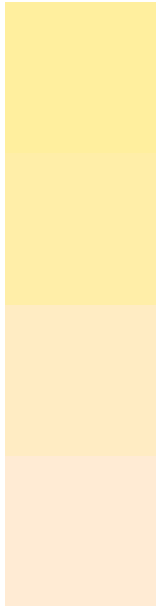
85.6345, 0.3387, 0.3480



Tritanopia

85.4443, 0.3214, 0.3183

Trichromacy



Original Color

85.4616, 0.3755, 0.4100

Protanomaly

85.2362, 0.3695, 0.3993

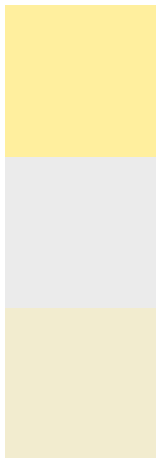
Deuteranomaly

85.1910, 0.3524, 0.3703

Tritanomaly

85.4301, 0.3413, 0.3520

Monochromacy



Original Color

85.4616, 0.3755, 0.4100

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3731, 0.3353, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4616, 0.3755, 0.4100 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, 239, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 158)  
}
```

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, 239, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 158) }
```

Border

The CSS property to change the border of an element to Yxy 85.4616, 0.3755, 0.4100 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, 239, 158) }
```

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

```
.border{ border-color:rgb(255, 239, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4616, 0.3755, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 158) }
```

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

```
.background{ background-color: rgb(255,  
239, 158) }
```

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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