

Converting Colors

$Y_{xy}(100.0000, 0.4291, 0.4029)$

Have a look what the booklet for
Yxy(100.0000, 0.4291, 0.4029)
contains.

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Color

Yxy(85.1311, 0.3816, 0.4195)

Conversions

Conversions Part 1

Format	Color
Hex	FFEF94
RGB	255, 239, 148
RGB Percent	100%, 94%, 58%
CMY	0.0002, 0.0627, 0.4196
CMYK	0.00, 0.06, 0.42, 0.00
HSL	51°, 100%, 79%
HSV	51°, 42%, 100%
XYZ	77.4399, 85.1311, 40.3637
YIQ	233.4100, 38.7470, -24.9090

Conversions

Conversions Part 2

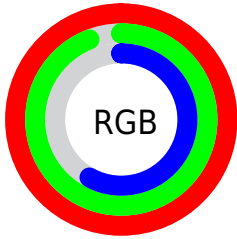
Format	Color
R _Y B	167, 255, 148
Decimal	16773012
CIE Lab	93.94, -6.88, 45.88
CIE LCh	94, 46.392, 98.532
Yxy	85.1311, 0.3816, 0.4195
Android (android.graphics.Color)	4294963092 (0xFFFEF94)
YUV	233.4100, -42.1071, 18.9344
Hunter-Lab	92.2665, -11.6502, 38.6490

Details

The Yxy color **85.1311, 0.3816, 0.4195** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.0391, 0.2371, 0.2181**, and the grayscale version is **82.1106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **46.5635, 0.3958, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **82.2133, 0.3980, 0.4390**, and if you desaturate by 10%, it is **88.2814, 0.3646, 0.3983**.

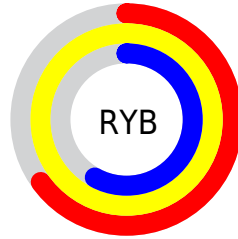
Distribution



Red (100%)

Green (94%)

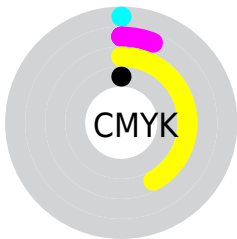
Blue (58%)



Red (65%)

Yellow (100%)

Blue (58%)

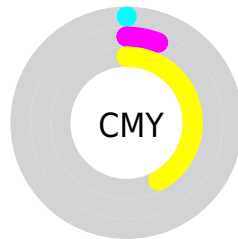


Cyan (0%)

Magenta (6%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1311, 0.3816, 0.4195 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 85.1311, 0.3816, 0.4195 by changing the saturation by 10% instead.


 85.1311, 0.3816,
0.4195


 85.1311, 0.3816,
0.4195

512.0618, 0.3518,
0.3792

 63.9497, 0.3877,
0.4281


 140.5563, 0.3718,
0.4059

 46.6099, 0.3949,
0.4384


 175.5690, 0.3678,
0.4005

 32.7274, 0.4034,
0.4509


215.9608, 0.3643,
0.3958

 21.9177, 0.4133,
0.4660

262.1162, 0.3612,
0.3917

 13.7964, 0.4247,
0.4846

314.4196, 0.3585,
0.3880

 7.9792, 0.4370,
0.5069

373.2554, 0.3560,

 4.0817, 0.4568,

0.3848

0.5432

439.0080, 0.3538,
0.3818

■ 1.7193, 0.4464,
0.5536

■ 0.4361, 0.3611,
0.6389

■ 85.1311, 0.3816,
0.4195

■ 85.1311, 0.3816,
0.4195

■ 82.2133, 0.3980,
0.4390

■ 88.2814, 0.3646,
0.3983

■ 79.5040, 0.4132,
0.4558

■ 91.6632, 0.3476,
0.3763

■ 76.9936, 0.4263,
0.4688

■ 95.2908, 0.3312,
0.3544

■ 74.6667, 0.4369,
0.4774

■ 99.1736, 0.3156,
0.3331

■ 72.5045, 0.4446,
0.4814

99.9921, 0.3127,
0.3290

■ 70.8620, 0.4489,
0.4818

Harmonies

Analogous

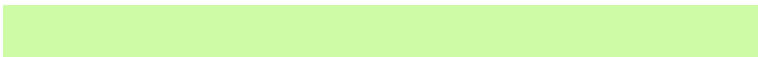
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1311, 0.4130, 0.3910



85.1311, 0.3816, 0.4195



85.1311, 0.3331, 0.4233

Triad

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



85.1311, 0.3816, 0.4195



85.1311, 0.2191, 0.2928



85.1311, 0.3389, 0.2745

Complementary

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



85.1311, 0.3816, 0.4195



40.0391, 0.2371, 0.2181

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.



85.1311, 0.2855, 0.2515



85.1311, 0.3816, 0.4195



85.1311, 0.2203, 0.2586

Square

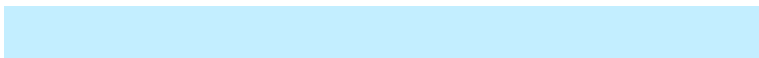
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1311, 0.3816, 0.4195



85.1311, 0.2405, 0.3434



85.1311, 0.2433, 0.2452



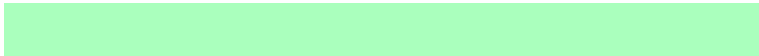
85.1311, 0.3884, 0.3097

Rectangle

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



85.1311, 0.3816, 0.4195



85.1311, 0.2981, 0.4075



85.1311, 0.2433, 0.2452



85.1311, 0.3206, 0.2652

Sweetspot

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



85.1350, 0.3816, 0.4195



94.9348, 0.3329, 0.3566



45.1117, 0.4053, 0.3124



20.1451, 0.3364, 0.3614



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

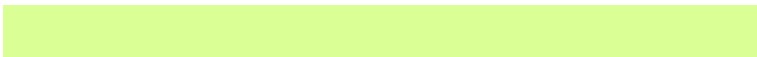
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1350, 0.3816, 0.4195



82.7977, 0.3949, 0.4354



88.4629, 0.3498, 0.4429



20.6022, 0.3273, 0.3491



37.2158, 0.4483, 0.4822



3.7434, 0.4445, 0.4853

Inverse Universe

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



40.0391, 0.2371, 0.2181



32.4820, 0.2208, 0.1926



38.7632, 0.2607, 0.2073



17.8144, 0.2979, 0.3081



4.6269, 0.1533, 0.0720



0.5735, 0.1580, 0.0887

Previews

White Background



This preview shows how the Yxy color 85.1311, 0.3816, 0.4195 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 85.1311, 0.3816, 0.4195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

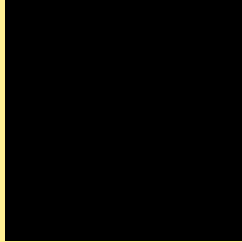
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1311, 0.3816, 0.4195

Background



This preview shows how black text looks on a background with the Yxy color 85.1311, 0.3816, 0.4195.

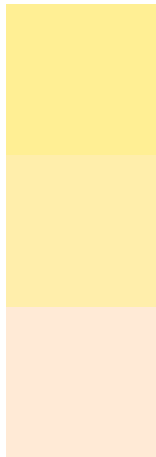


This preview shows how white text looks on a background with the Yxy color 85.1311, 0.3816, 0.4195.

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

85.1311, 0.3816, 0.4195

Protanopia

85.3493, 0.3676, 0.3963

Deuteranopia

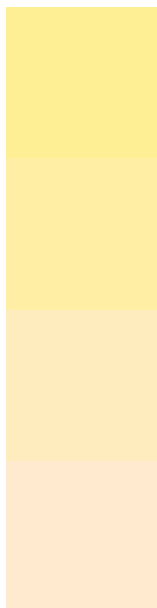
84.9607, 0.3402, 0.3490



Tritanopia

84.8226, 0.3221, 0.3183

Trichromacy



Original Color

85.1311, 0.3816, 0.4195

Protanomaly

85.0534, 0.3727, 0.4042

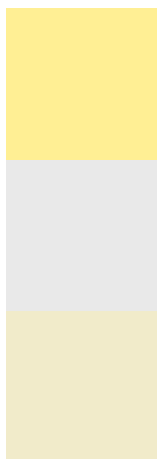
Deuteranomaly

84.9686, 0.3557, 0.3754

Tritanomaly

84.6597, 0.3442, 0.3551

Monochromacy



Original Color

85.1311, 0.3816, 0.4195

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.3817, 0.3380, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1311, 0.3816, 0.4195 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 148) }
```

Border

The CSS property to change the border of an element to Yxy 85.1311, 0.3816, 0.4195 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, 148) }
```

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

```
.border{ border-color:rgb(255, 239, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1311, 0.3816, 0.4195 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, 148) }
```

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

```
.background{ background-color: rgb(255,  
239, 148) }
```

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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