

Converting Colors

$Y_{xy}(98.3291, 0.4375, 0.4223)$

Have a look what the booklet for
Yxy(98.3291, 0.4375, 0.4223)
contains.

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Color

Yxy(85.0354, 0.3949, 0.4416)

Conversions

Conversions Part 1

Format	Color
Hex	FFF07C
RGB	255, 240, 124
RGB Percent	100%, 94%, 49%
CMY	0.0000, 0.0588, 0.5136
CMYK	0.00, 0.06, 0.51, 0.00
HSL	53°, 100%, 74%
HSV	53°, 51%, 100%
XYZ	76.0428, 85.0354, 31.4839
YIQ	231.2610, 46.1760, -32.8960

Conversions

Conversions Part 2

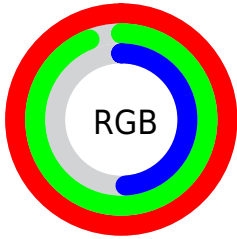
Format	Color
RYB	141, 255, 124
Decimal	16773244
CIELab	93.90, -9.53, 57.23
CIELCh	94, 58.015, 99.455
Yxy	85.0354, 0.3949, 0.4416
Android (android.graphics.Color)	4294963324 (0xFFFFF07C)
YUV	231.2610, -52.8797, 20.8191
Hunter-Lab	92.2146, -14.1796, 44.3075

Details

The Yxy color **85.0354, 0.3949, 0.4416** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.9815, 0.2170, 0.1827**, and the grayscale version is **80.4943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **46.4717, 0.4093, 0.4634** is the 20% darker color. If you saturate the color by 10%, you get **82.7675, 0.4091, 0.4590**, and if you desaturate by 10%, it is **87.5015, 0.3792, 0.4214**.

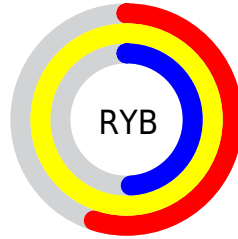
Distribution



Red (100%)

Green (94%)

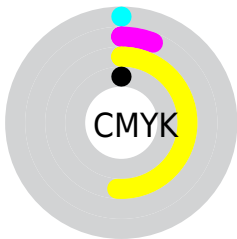
Blue (49%)



Red (55%)

Yellow (100%)

Blue (49%)

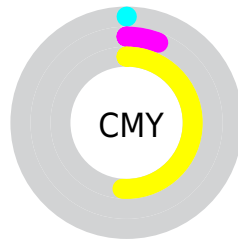


Cyan (0%)

Magenta (6%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0354, 0.3949, 0.4416 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 85.0354, 0.3949, 0.4416 by changing the saturation by 10% instead.


 85.0354, 0.3949,
0.4416


 85.0354, 0.3949,
0.4416


511.7452, 0.3604,
0.3920

 63.8706, 0.4016,
0.4519


 140.4226, 0.3838,
0.4252

 46.5459, 0.4092,
0.4640


 175.4139, 0.3792,
0.4185

 32.6768, 0.4178,
0.4782


 215.7828, 0.3752,
0.4127

 21.8790, 0.4271,
0.4949

261.9136, 0.3716,
0.4076

 13.7680, 0.4364,
0.5140

314.1909, 0.3683,
0.4031

 7.9595, 0.4508,
0.5434

372.9990, 0.3654,

 4.0690, 0.4448,

0.3990

0.5552

438.7223, 0.3628,
0.3953

■ 1.7123, 0.4301,
0.5699

■ 0.4316, 0.2915,
0.7085

■ 85.0354, 0.3949,
0.4416

■ 85.0354, 0.3949,
0.4416

■ 82.7675, 0.4091,
0.4590

■ 87.5015, 0.3792,
0.4214

■ 80.6790, 0.4213,
0.4727

■ 90.1720, 0.3628,
0.3995

■ 78.7564, 0.4309,
0.4820

■ 93.0596, 0.3463,
0.3767

■ 76.9816, 0.4376,
0.4867

■ 96.1744, 0.3301,
0.3540

■ 75.5428, 0.4415,
0.4877

99.5255, 0.3147,
0.3319

100.0000, 0.3127,
0.3290

Harmonies

Analogous

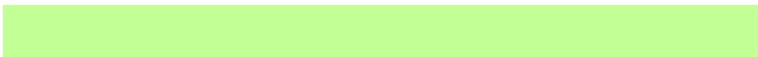
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0354, 0.4360, 0.4043



85.0354, 0.3949, 0.4416



85.0354, 0.3342, 0.4484

Triad

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



85.0354, 0.3949, 0.4416



85.0354, 0.1981, 0.2808



85.0354, 0.3469, 0.2635

Complementary

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



85.0354, 0.3949, 0.4416



29.9815, 0.2170, 0.1827

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.



85.0354, 0.2802, 0.2354



85.0354, 0.3949, 0.4416



85.0354, 0.2006, 0.2408

Square

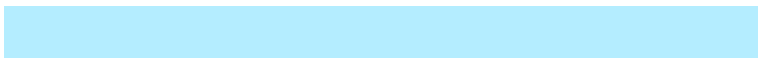
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0354, 0.3949, 0.4416



85.0354, 0.2222, 0.3439



85.0354, 0.2287, 0.2266



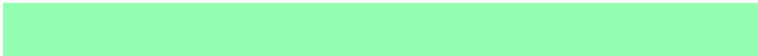
85.0354, 0.4091, 0.3057

Rectangle

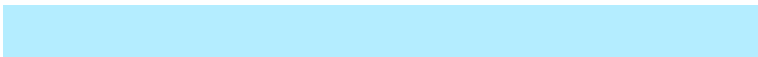
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0354, 0.3949, 0.4416



85.0354, 0.2913, 0.4281



85.0354, 0.2287, 0.2266



85.0354, 0.3239, 0.2522

Sweetspot

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



85.0373, 0.3949, 0.4416



95.0137, 0.3359, 0.3622



37.5565, 0.4440, 0.3138



20.1960, 0.3393, 0.3670



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

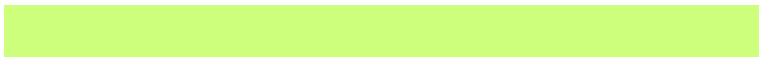
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0373, 0.3949, 0.4416



82.6286, 0.4100, 0.4600



85.9261, 0.3531, 0.4703



20.7145, 0.3272, 0.3499



39.6145, 0.4410, 0.4880



3.9537, 0.4382, 0.4902

Inverse Universe

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



29.9815, 0.2170, 0.1827



22.0186, 0.1960, 0.1483



30.6692, 0.2491, 0.1786



17.7126, 0.2979, 0.3073



4.3427, 0.1522, 0.0680



0.5258, 0.1562, 0.0823

Previews

White Background



This preview shows how the Yxy color 85.0354, 0.3949, 0.4416 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 85.0354, 0.3949, 0.4416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

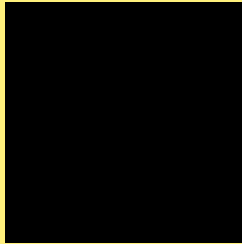
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.0354, 0.3949, 0.4416

Background



This preview shows how black text looks on a background with the Yxy color 85.0354, 0.3949, 0.4416.

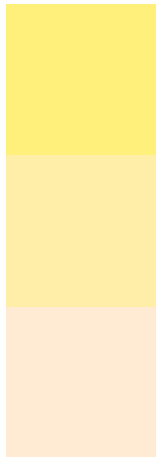


This preview shows how white text looks on a background with the Yxy color 85.0354, 0.3949, 0.4416.

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

85.0354, 0.3949, 0.4416

Protanopia

85.1991, 0.3702, 0.4003

Deuteranopia

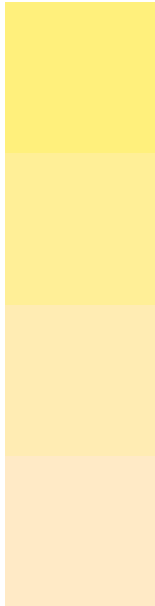
84.8088, 0.3422, 0.3521



Tritanopia

84.7627, 0.3227, 0.3192

Trichromacy



Original Color

85.0354, 0.3949, 0.4416

Protanomaly

85.2274, 0.3798, 0.4167

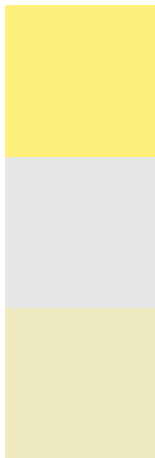
Deuteranomaly

84.5056, 0.3630, 0.3865

Tritanomaly

84.1829, 0.3509, 0.3653

Monochromacy



Original Color

85.0354, 0.3949, 0.4416

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.1767, 0.3440, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0354, 0.3949, 0.4416 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, 240, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 124)  
}
```

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, 240, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 124) }
```

Border

The CSS property to change the border of an element to Yxy 85.0354, 0.3949, 0.4416 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, 240, 124) }
```

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

```
.border{ border-color:rgb(255, 240, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 240, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 240, 124); box-shadow:4px 4px 4px 4px rgb(255, 240, 124) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0354, 0.3949, 0.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 124) }
```

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

```
.background{ background-color: rgb(255,  
240, 124) }
```

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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