

Converting Colors

$Yxy(85.2010, 0.3830, 0.4369)$

Have a look what the booklet for
Yxy(85.2010, 0.3830, 0.4369)
contains.

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Color

Yxy(85.1820, 0.3834, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	F8F286
RGB	248, 242, 134
RGB Percent	97%, 95%, 53%
CMY	0.0274, 0.0510, 0.4744
CMYK	0.00, 0.02, 0.46, 0.03
HSL	57°, 89%, 75%
HSV	57°, 46%, 97%
XYZ	74.7683, 85.1820, 35.0635
YIQ	231.4820, 38.2440, -32.3160

Conversions

Conversions Part 2

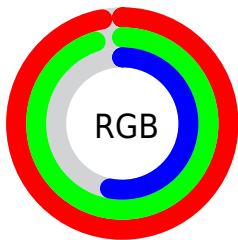
Format	Color
R_{YB}	140, 248, 134
Decimal	16315014
CIE _{Lab}	93.96, -12.41, 52.50
CIE _{LCh}	94, 53.949, 103.299
Yxy	85.1820, 0.3834, 0.4368
Android (android.graphics.Color)	4294505094 (0xFFFF8F286)
YUV	231.4820, -48.0586, 14.4863
Hunter-Lab	92.2941, -16.9102, 42.0810

Details

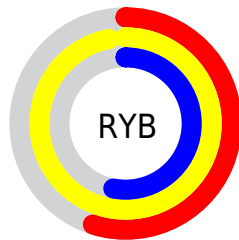
The Yxy color **85.1820, 0.3834, 0.4368** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.6102, 0.2266, 0.1918**, and the grayscale version is **80.6371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **46.6590, 0.3964, 0.4592** is the 20% darker color. If you saturate the color by 10%, you get **83.7990, 0.3970, 0.4566**, and if you desaturate by 10%, it is **86.7406, 0.3685, 0.4146**.

Distribution



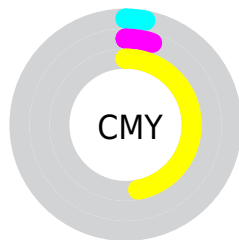
- Red (97%)
- Green (95%)
- Blue (53%)



- Red (55%)
- Yellow (97%)
- Blue (53%)



- Cyan (0%)
- Magenta (2%)
- Yellow (46%)
- Black (3%)





- Cyan (3%)
- Magenta (5%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1820, 0.3834, 0.4368 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 85.1820, 0.3834, 0.4368 by changing the saturation by 10% instead.

 85.1820, 0.3834,
0.4368


 85.1820, 0.3834,
0.4368


512.2301, 0.3536,
0.3886


 63.9918, 0.3893,
0.4471


 140.6274, 0.3738,
0.4206

 46.6440, 0.3960,
0.4593


 175.6514, 0.3698,
0.4142

 32.7543, 0.4035,
0.4740


 216.0555, 0.3663,
0.4085

 21.9383, 0.4119,
0.4916

262.2239, 0.3632,
0.4036

 13.8116, 0.4206,
0.5129

314.5412, 0.3604,
0.3992

 7.9897, 0.4303,
0.5410

373.3918, 0.3579,

 4.0884, 0.4316,

0.3953

0.5684

439.1599, 0.3557,
0.3918

■ 1.7231, 0.4124,
0.5876

■ 0.4386, 0.2061,
0.7939

■ 85.1820, 0.3834,
0.4368

■ 85.1820, 0.3834,
0.4368

■ 83.7990, 0.3970,
0.4566

■ 86.7406, 0.3685,
0.4146

■ 82.5684, 0.4086,
0.4731


■ 88.4735, 0.3528,
0.3909


■ 81.4810, 0.4177,
0.4854


■ 90.3941, 0.3371,
0.3667

■ 80.5217, 0.4242,
0.4933

■ 92.5114, 0.3216,
0.3428

 79.6715, 0.4279,
0.4969

 94.6370, 0.3086,
0.3227

 79.3471, 0.4290,
0.4976

 95.4444, 0.3086,
0.3240

 96.2573, 0.3085,
0.3253

 97.0759, 0.3085,
0.3265

 97.9001, 0.3084,
0.3278

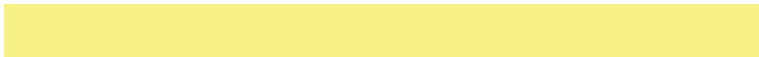
Harmonies

Analogous

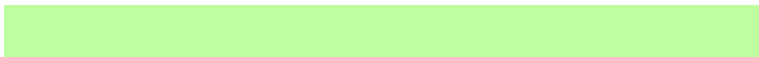
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1820, 0.4245, 0.4055



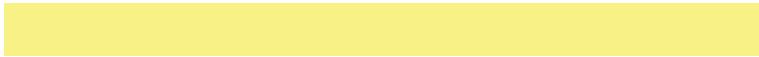
85.1820, 0.3834, 0.4368



85.1820, 0.3256, 0.4371

Triad

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



85.1820, 0.3834, 0.4368



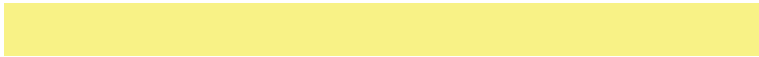
85.1820, 0.2041, 0.2784



85.1820, 0.3528, 0.2721

Complementary

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



85.1820, 0.3834, 0.4368



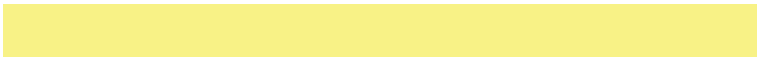
30.6102, 0.2266, 0.1918

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.



85.1820, 0.2900, 0.2435



85.1820, 0.3834, 0.4368



85.1820, 0.2096, 0.2437

Square

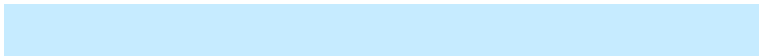
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1820, 0.3834, 0.4368



85.1820, 0.2239, 0.3350



85.1820, 0.2392, 0.2329



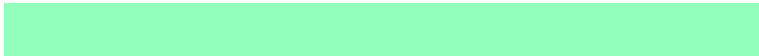
85.1820, 0.4082, 0.3134

Rectangle

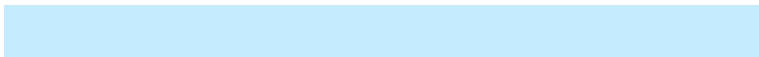
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1820, 0.3834, 0.4368



85.1820, 0.2857, 0.4147



85.1820, 0.2392, 0.2329



85.1820, 0.3316, 0.2609

Sweetspot

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



85.1859, 0.3834, 0.4368



96.7178, 0.3340, 0.3621



38.9556, 0.4296, 0.3212



20.6014, 0.3374, 0.3673



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.



85.1859, 0.3834, 0.4368



89.3944, 0.3959, 0.4550



80.9466, 0.3460, 0.4567



20.0250, 0.3270, 0.3512



42.9297, 0.4288, 0.4977



4.0226, 0.4276, 0.4987

Inverse Universe

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



30.6102, 0.2266, 0.1918



24.7985, 0.2074, 0.1604



33.9528, 0.2621, 0.1974



16.7894, 0.2979, 0.3058



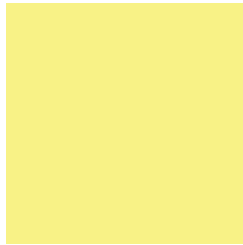
3.8766, 0.1509, 0.0632



0.4090, 0.1530, 0.0709

Previews

White Background



This preview shows how the Yxy color 85.1820, 0.3834, 0.4368 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 85.1820, 0.3834, 0.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

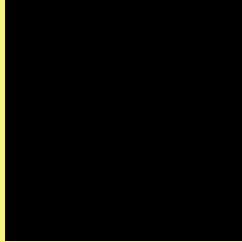
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1820, 0.3834, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 85.1820, 0.3834, 0.4368.

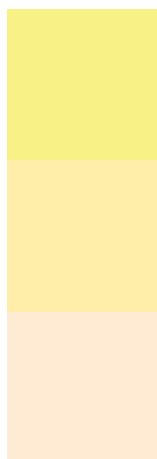


This preview shows how white text looks on a background with the Yxy color 85.1820, 0.3834, 0.4368.

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

85.1820, 0.3834, 0.4368

Protanopia

85.2736, 0.3689, 0.3983

Deuteranopia

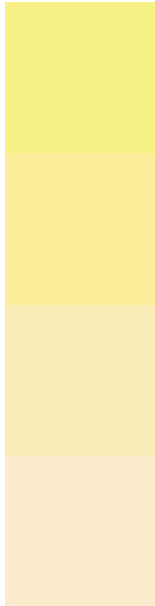
84.8591, 0.3415, 0.3511



Tritanopia

85.0044, 0.3202, 0.3154

Trichromacy



Original Color

85.1820, 0.3834, 0.4368

Protanomaly

84.8288, 0.3746, 0.4126

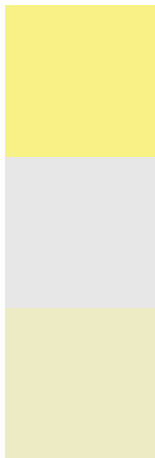
Deuteranomaly

84.7245, 0.3573, 0.3828

Tritanomaly

84.5199, 0.3438, 0.3594

Monochromacy



Original Color

85.1820, 0.3834, 0.4368

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.4067, 0.3391, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1820, 0.3834, 0.4368 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(248, 242, 134)` looks like.

```
.text, #text, p{  
    color:rgb(248, 242, 134)  
}
```

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(248, 242, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 242, 134) }
```

Border

The CSS property to change the border of an element to Yxy 85.1820, 0.3834, 0.4368 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(248, 242, 134) }
```

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

```
.border{ border-color:rgb(248, 242, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 242, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 242, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 242, 134); box-shadow:4px 4px 4px 4px rgb(248, 242, 134) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1820, 0.3834, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 242, 134) }
```

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

```
.background{ background-color: rgb(248,  
242, 134) }
```

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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