

Converting Colors

$Y_{xy}(85.3406, 0.3658, 0.4102)$

Have a look what the booklet for
Yxy(85.3406, 0.3658, 0.4102)
contains.

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Color

Yxy(85.1121, 0.3658, 0.4098)

Conversions

Conversions Part 1

Format	Color
Hex	F6F1A2
RGB	246, 241, 162
RGB Percent	96%, 95%, 64%
CMY	0.0354, 0.0548, 0.3647
CMYK	0.00, 0.02, 0.34, 0.04
HSL	56°, 82%, 80%
HSV	56°, 34%, 96%
XYZ	75.9737, 85.1121, 46.6060
YIQ	233.4890, 28.3390, -23.5090

Conversions

Conversions Part 2

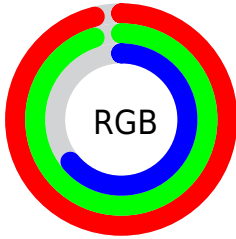
Format	Color
RYB	167, 246, 162
Decimal	16183714
CIELab	93.93, -9.81, 38.81
CIELCh	94, 40.032, 104.190
Yxy	85.1121, 0.3658, 0.4098
Android (android.graphics.Color)	4294373794 (0xFFFF6F1A2)
YUV	233.4890, -35.2441, 10.9721
Hunter-Lab	92.2562, -14.4523, 34.6272

Details

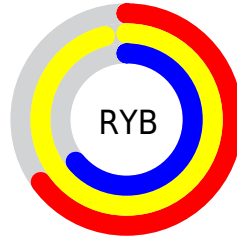
The Yxy color **85.1121, 0.3658, 0.4098** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.9519, 0.2517, 0.2329**, and the grayscale version is **82.1272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **46.6209, 0.3770, 0.4276** is the 20% darker color. If you saturate the color by 10%, you get **83.4703, 0.3810, 0.4323**, and if you desaturate by 10%, it is **86.9395, 0.3500, 0.3861**.

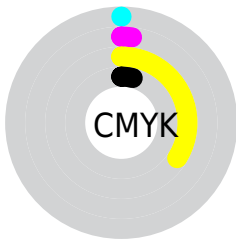
Distribution



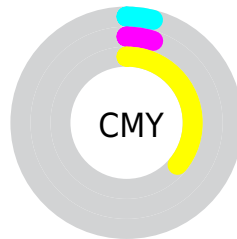
- Red (96%)
- Green (95%)
- Blue (64%)



- Red (65%)
- Yellow (96%)
- Blue (64%)



- Cyan (0%)
- Magenta (2%)
- Yellow (34%)
- Black (4%)





- Cyan (4%)
- Magenta (5%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1121, 0.3658, 0.4098 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 85.1121, 0.3658, 0.4098 by changing the saturation by 10% instead.

 85.1121, 0.3658,
0.4098


 85.1121, 0.3658,
0.4098


511.9989, 0.3428,
0.3732

 63.9340, 0.3706,
0.4178


 140.5298, 0.3582,
0.3973

 46.5972, 0.3763,
0.4276

 175.5382, 0.3551,
0.3924

 32.7174, 0.3831,
0.4395

215.9254, 0.3524,
0.3882

 21.9100, 0.3912,
0.4545


262.0760, 0.3500,
0.3844

 13.7908, 0.4008,
0.4736

314.3742, 0.3479,
0.3811

 7.9753, 0.4118,
0.4983

373.2045, 0.3460,

 4.0791, 0.4334,

0.3782

0.5438

438.9513, 0.3443,
0.3756

■ 1.7179, 0.4285,
0.5715

■ 0.4352, 0.2857,
0.7143

■ 85.1121, 0.3658,
0.4098

■ 85.1121, 0.3658,
0.4098

■ 83.4703, 0.3810,
0.4323

■ 86.9395, 0.3500,
0.3861

■ 81.9926, 0.3950,
0.4525


■ 88.9501, 0.3342,
0.3621


■ 80.6716, 0.4072,
0.4696


■ 91.1565, 0.3189,
0.3385


■ 79.4950, 0.4170,
0.4827

■ 93.2146, 0.3074,
0.3210

 78.4482, 0.4241,
0.4913


 94.1036, 0.3073,
0.3224


 77.5137, 0.4285,
0.4956

 94.9995, 0.3073,
0.3239

 77.0026, 0.4302,
0.4966

 95.9024, 0.3073,
0.3253

 96.8121, 0.3072,
0.3267

 97.7288, 0.3072,
0.3281

Harmonies

Analogous

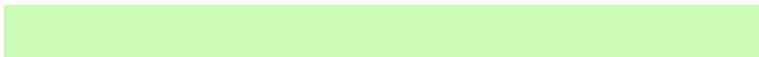
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1121, 0.3962, 0.3893



85.1121, 0.3658, 0.4098



85.1121, 0.3224, 0.4069

Triad

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



85.1121, 0.3658, 0.4098



85.1121, 0.2296, 0.2914



85.1121, 0.3444, 0.2866

Complementary

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



85.1121, 0.3658, 0.4098



41.9519, 0.2517, 0.2329

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.



85.1121, 0.2977, 0.2638



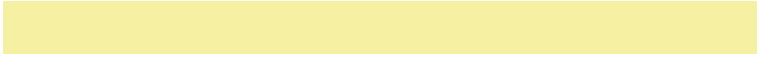
85.1121, 0.3658, 0.4098



85.1121, 0.2343, 0.2643

Square

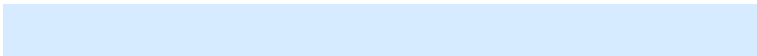
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1121, 0.3658, 0.4098



85.1121, 0.2450, 0.3331



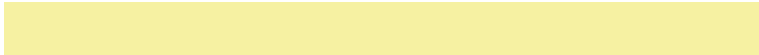
85.1121, 0.2582, 0.2554



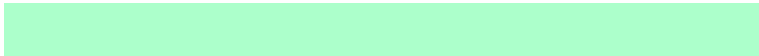
85.1121, 0.3843, 0.3193

Rectangle

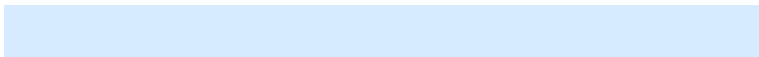
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1121, 0.3658, 0.4098



85.1121, 0.2923, 0.3899



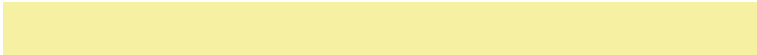
85.1121, 0.2582, 0.2554



85.1121, 0.3288, 0.2776

Sweetspot

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



85.1160, 0.3658, 0.4098



97.5102, 0.3278, 0.3523



48.2399, 0.3881, 0.3231



20.8001, 0.3300, 0.3556



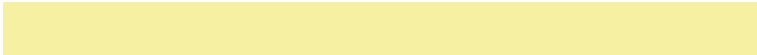
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

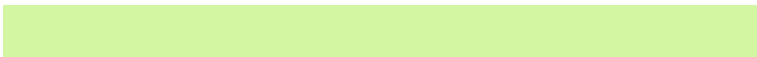
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1160, 0.3658, 0.4098



91.1287, 0.3765, 0.4256



82.1389, 0.3387, 0.4220



19.1364, 0.3270, 0.3510



41.1885, 0.4300, 0.4968



3.6700, 0.4285, 0.4979

Inverse Universe

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



41.9519, 0.2517, 0.2329



37.7291, 0.2371, 0.2095



44.5511, 0.2780, 0.2339



16.0833, 0.2979, 0.3060



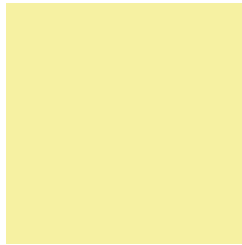
3.7902, 0.1510, 0.0636



0.3872, 0.1535, 0.0727

Previews

White Background



This preview shows how the Yxy color 85.1121, 0.3658, 0.4098 looks on a white background.

Color Contrast Check

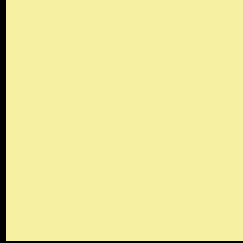
Large Text (above 18pt) WCAG AA × Fail

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 85.1121, 0.3658, 0.4098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

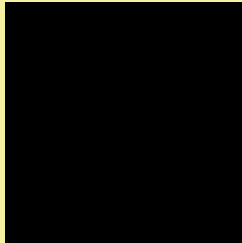
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1121, 0.3658, 0.4098

Background



This preview shows how black text looks on a background with the Yxy color 85.1121, 0.3658, 0.4098.



This preview shows how white text looks on a background with the Yxy color 85.1121, 0.3658, 0.4098.

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

85.1121, 0.3658, 0.4098

Protanopia

84.8069, 0.3673, 0.3944

Deuteranopia

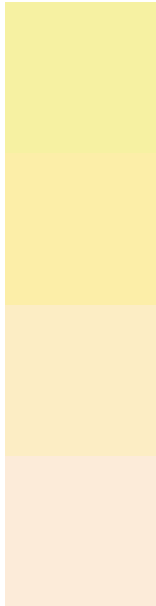
85.0119, 0.3395, 0.3480



Tritanopia

85.1891, 0.3182, 0.3125

Trichromacy



Original Color

85.1121, 0.3658, 0.4098

Protanomaly

84.6717, 0.3674, 0.3999

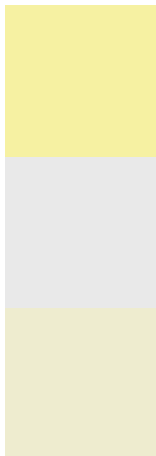
Deuteranomaly

85.2493, 0.3494, 0.3705

Tritanomaly

85.1219, 0.3359, 0.3471

Monochromacy



Original Color

85.1121, 0.3658, 0.4098

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.6730, 0.3325, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1121, 0.3658, 0.4098 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(246, 241, 162)` looks like.

```
.text, #text, p{  
    color:rgb(246, 241, 162)  
}
```

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(246, 241, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 241, 162) }
```

Border

The CSS property to change the border of an element to Yxy 85.1121, 0.3658, 0.4098 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(246, 241, 162) }
```

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

```
.border{ border-color:rgb(246, 241, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 241, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 241, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 241, 162);  
box-shadow:4px 4px 4px 4px rgb(246, 241,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1121, 0.3658, 0.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 241, 162) }
```

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

```
.background{ background-color: rgb(246,  
241, 162) }
```

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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