

Converting Colors

$Yxy(83.0168, 0.3876, 0.4640)$

Have a look what the booklet for
Yxy(83.0168, 0.3876, 0.4640)
contains.

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Color

Yxy(83.0168, 0.3876, 0.4640)

Conversions

Conversions Part 1

Format	Color
Hex	ECF36C
RGB	236, 243, 108
RGB Percent	93%, 95%, 42%
CMY	0.0745, 0.0470, 0.5765
CMYK	0.03, 0.00, 0.56, 0.05
HSL	63°, 85%, 69%
HSV	63°, 56%, 95%
XYZ	69.3477, 83.0168, 26.5511
YIQ	225.5170, 39.1630, -43.4690

Conversions

Conversions Part 2

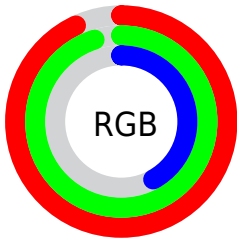
Format	Color
R_{YB}	108, 243, 115
Decimal	15528812
CIE _{Lab}	93.02, -19.80, 63.02
CIE _{LCh}	93, 66.054, 107.438
Yxy	83.0168, 0.3876, 0.4640
Android (android.graphics.Color)	4293718892 (0xFFEFCF36C)
YUV	225.5170, -57.9359, 9.1936
Hunter-Lab	91.1136, -23.5902, 46.5020

Details

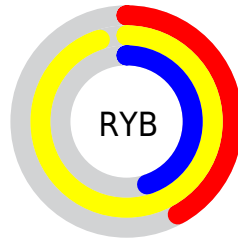
The Yxy color **83.0168, 0.3876, 0.4640** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.8384, 0.2092, 0.1524**, and the grayscale version is **76.0919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **45.2536, 0.3992, 0.4916** is the 20% darker color. If you saturate the color by 10%, you get **82.3581, 0.3970, 0.4821**, and if you desaturate by 10%, it is **83.8288, 0.3761, 0.4425**.

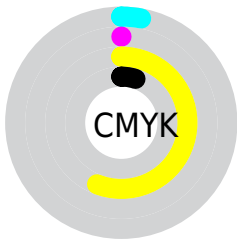
Distribution



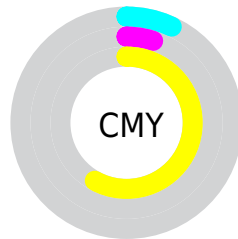
- Red (93%)
- Green (95%)
- Blue (42%)



- Red (42%)
- Yellow (95%)
- Blue (45%)



- Cyan (3%)
- Magenta (0%)
- Yellow (56%)
- Black (5%)





- Cyan (7%)
- Magenta (5%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0168, 0.3876, 0.4640 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 83.0168, 0.3876, 0.4640 by changing the saturation by 10% instead.


 83.0168, 0.3876,
0.4640


 83.0168, 0.3876,
0.4640


505.0425, 0.3575,
0.4035


 62.2040, 0.3929,
0.4767


 137.5990, 0.3783,
0.4438

 45.1976, 0.3987,
0.4917


 172.1372, 0.3744,
0.4357

 31.6131, 0.4045,
0.5094

 212.0193, 0.3708,
0.4286

 21.0661, 0.4098,
0.5301

 257.6297, 0.3676,
0.4223

 13.1723, 0.4131,
0.5541

309.3529, 0.3647,
0.4168

 7.5473, 0.4144,
0.5856

367.5731, 0.3621,

 3.8067, 0.3950,

0.4119

0.6050

432.6749, 0.3597,
0.4074

■ 1.5660, 0.3618,
0.6382

■ 0.3345, 0.0000,
1.0000

■ 83.0168, 0.3876,
0.4640

■ 83.0168, 0.3876,
0.4640

■ 82.3581, 0.3970,
0.4821

■ 83.8288, 0.3761,
0.4425

■ 81.8289, 0.4039,
0.4962


■ 84.7936, 0.3631,
0.4187

■ 81.4188, 0.4082,
0.5058

■ 85.9248, 0.3491,
0.3934


■ 81.1099, 0.4099,
0.5111


■ 87.2315, 0.3348,
0.3678


 80.9932, 0.4101,
0.5125

 88.7221, 0.3205,
0.3426

 90.4044, 0.3067,
0.3184

 90.7081, 0.3067,
0.3173

 90.9357, 0.3076,
0.3173

 91.1648, 0.3084,
0.3173

Harmonies

Analogous

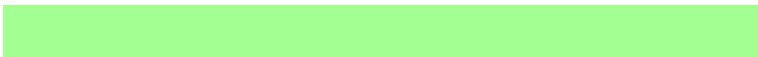
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0168, 0.4429, 0.4257



83.0168, 0.3876, 0.4640



83.0168, 0.3160, 0.4614

Triad

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



83.0168, 0.3876, 0.4640



83.0168, 0.1817, 0.2580



83.0168, 0.3722, 0.2663

Complementary

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



83.0168, 0.3876, 0.4640



20.8384, 0.2092, 0.1524

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.



83.0168, 0.2942, 0.2303



83.0168, 0.3876, 0.4640



83.0168, 0.1923, 0.2221

Square

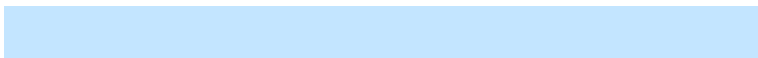
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0168, 0.3876, 0.4640



83.0168, 0.1999, 0.3239



83.0168, 0.2305, 0.2142



83.0168, 0.4379, 0.3158

Rectangle

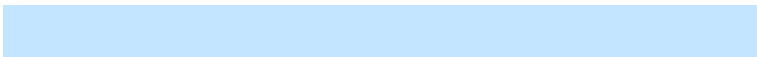
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0168, 0.3876, 0.4640



83.0168, 0.2686, 0.4289



83.0168, 0.2305, 0.2142



83.0168, 0.3460, 0.2524

Sweetspot

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



83.0206, 0.3876, 0.4640



97.0913, 0.3369, 0.3716



32.3400, 0.4762, 0.3364



20.7165, 0.3398, 0.3768



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.



83.0206, 0.3876, 0.4640



91.7781, 0.3983, 0.4847



73.5954, 0.3396, 0.4895



19.2672, 0.3260, 0.3524



44.4674, 0.4103, 0.5124



3.9215, 0.4115, 0.5115

Inverse Universe

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



20.8384, 0.2092, 0.1524



15.9123, 0.1866, 0.1153



27.1689, 0.2622, 0.1742



15.9678, 0.2987, 0.3046



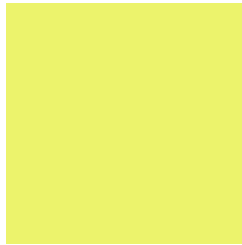
3.6139, 0.1516, 0.0609



0.3318, 0.1556, 0.0631

Previews

White Background



This preview shows how the Yxy color 83.0168, 0.3876, 0.4640 looks on a white background.

Color Contrast Check

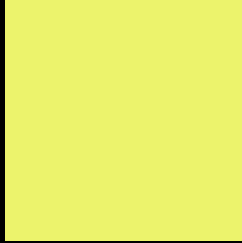
Large Text (above 18pt) WCAG AA × Fail

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 83.0168, 0.3876, 0.4640 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 83.0168, 0.3876, 0.4640

Background



This preview shows how black text looks on a background with the Yxy color 83.0168, 0.3876, 0.4640.

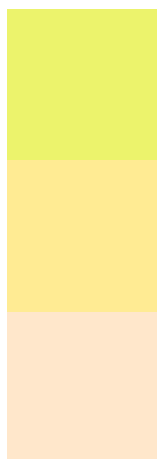


This preview shows how white text looks on a background with the Yxy color 83.0168, 0.3876, 0.4640.

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

83.0168, 0.3876, 0.4640

Protanopia

82.7832, 0.3838, 0.4169

Deuteranopia

82.7236, 0.3481, 0.3573



Tritanopia

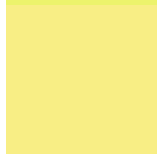
82.4646, 0.3163, 0.3112

Trichromacy



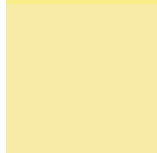
Original Color

83.0168, 0.3876, 0.4640



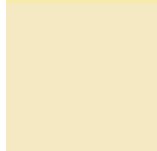
Protanomaly

82.7990, 0.3857, 0.4344



Deuteranomaly

82.2003, 0.3653, 0.3978



Tritanomaly

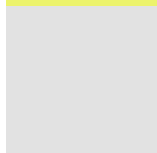
81.6758, 0.3452, 0.3673

Monochromacy



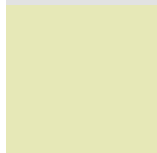
Original Color

83.0168, 0.3876, 0.4640



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.9551, 0.3431, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0168, 0.3876, 0.4640 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(236, 243, 108)` looks like.

```
.text, #text, p{  
    color:rgb(236, 243, 108)  
}
```

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(236, 243, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 243, 108) }
```

Border

The CSS property to change the border of an element to Yxy 83.0168, 0.3876, 0.4640 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(236, 243, 108) }
```

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

```
.border{ border-color:rgb(236, 243, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 243, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 243, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 243, 108);  
box-shadow:4px 4px 4px 4px rgb(236, 243,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0168, 0.3876, 0.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 243, 108) }
```

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

```
.background{ background-color: rgb(236,  
243, 108) }
```

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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