

Converting Colors

Yxy(83.4668, 0.4059, 0.4557)

Have a look what the booklet for
Yxy(83.4668, 0.4059, 0.4557)
contains.

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Color

Yxy(83.4085, 0.4061, 0.4558)

Conversions

Conversions Part 1

Format	Color
Hex	FFEE68
RGB	255, 238, 104
RGB Percent	100%, 93%, 41%
CMY	0.0000, 0.0666, 0.5923
CMYK	0.00, 0.07, 0.59, 0.00
HSL	53°, 100%, 70%
HSV	53°, 59%, 100%
XYZ	74.3137, 83.4085, 25.2714
YIQ	227.8070, 53.1460, -38.0700

Conversions

Conversions Part 2

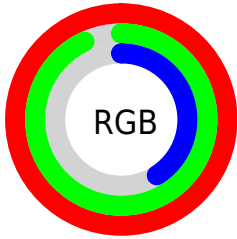
Format	Color
R_{YB}	123, 255, 104
Decimal	16772712
CIE _{Lab}	93.19, -10.04, 65.35
CIE _{LCh}	93, 66.120, 98.730
Yxy	83.4085, 0.4061, 0.4558
Android (android.graphics.Color)	4294962792 (0xFFFFEE68)
YUV	227.8070, -61.0369, 23.8483
Hunter-Lab	91.3283, -14.5792, 47.5237

Details

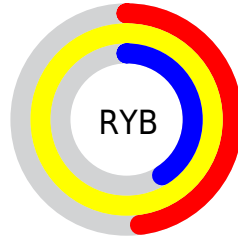
The Yxy color **83.4085, 0.4061, 0.4558** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **23.8285, 0.2012, 0.1568**, and the grayscale version is **77.8598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2832, 0.3695, 0.4228**, and **45.2714, 0.4209, 0.4792** is the 20% darker color. If you saturate the color by 10%, you get **81.3116, 0.4187, 0.4704**, and if you desaturate by 10%, it is **85.6943, 0.3915, 0.4377**.

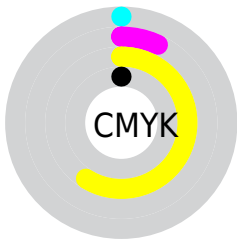
Distribution



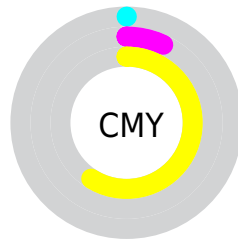
- Red (100%)
- Green (93%)
- Blue (41%)



- Red (48%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (7%)
- Yellow (59%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4085, 0.4061, 0.4558 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 83.4085, 0.4061, 0.4558 by changing the saturation by 10% instead.


 83.4085, 0.4061,
0.4558

 83.4085, 0.4061,
0.4558


506.3469, 0.3677,
0.4007


 62.5272, 0.4132,
0.4669


 138.1475, 0.3940,
0.4378

 45.4588, 0.4211,
0.4796

 172.7739, 0.3889,
0.4305

 31.8190, 0.4295,
0.4942


 212.7508, 0.3844,
0.4240

 21.2233, 0.4380,
0.5106

 258.4627, 0.3803,
0.4182

 13.2873, 0.4457,
0.5289

310.2938, 0.3767,
0.4131

 7.6267, 0.4511,
0.5489

368.6286, 0.3734,

 3.8570, 0.4416,

0.4086

0.5584

433.8516, 0.3704,
0.4044

■ 1.5939, 0.4255,
0.5745

■ 0.3535, 0.2047,
0.7953

■ 83.4085, 0.4061,
0.4558

■ 83.4085, 0.4061,
0.4558

■ 81.3116, 0.4187,
0.4704

■ 85.6943, 0.3915,
0.4377

■ 79.3804, 0.4288,
0.4807


■ 88.1734, 0.3757,
0.4170


■ 77.6002, 0.4361,
0.4864

■ 90.8603, 0.3592,
0.3948

■ 75.9447, 0.4407,
0.4880

■ 93.7655, 0.3427,
0.3720

 75.8192, 0.4410,
0.4880

 96.8989, 0.3268,
0.3493

100.0000, 0.3127,
0.3290

Harmonies

Analogous

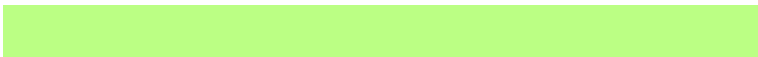
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4085, 0.4531, 0.4107



83.4085, 0.4061, 0.4558



83.4085, 0.3374, 0.4677

Triad

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



83.4085, 0.4061, 0.4558



83.4085, 0.1840, 0.2742



83.4085, 0.3494, 0.2541

Complementary

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



83.4085, 0.4061, 0.4558



23.8285, 0.2012, 0.1568

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.



83.4085, 0.2735, 0.2235



83.4085, 0.4061, 0.4558



83.4085, 0.1864, 0.2294

Square

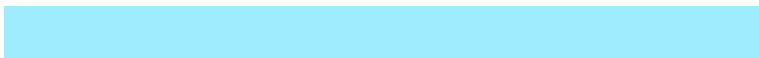
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4085, 0.4061, 0.4558



83.4085, 0.2108, 0.3473



83.4085, 0.2166, 0.2139



83.4085, 0.4219, 0.3005

Rectangle

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



83.4085, 0.4061, 0.4558



83.4085, 0.2887, 0.4459



83.4085, 0.2166, 0.2139



83.4085, 0.3230, 0.2418

Sweetspot

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



83.4113, 0.4061, 0.4558



94.1372, 0.3408, 0.3692



32.5505, 0.4769, 0.3125



19.9616, 0.3455, 0.3758



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.



83.4113, 0.4061, 0.4558



80.9571, 0.4207, 0.4725



84.4037, 0.3567, 0.4911



20.7210, 0.3272, 0.3499



39.7569, 0.4406, 0.4883



3.9662, 0.4379, 0.4905

Inverse Universe

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



23.8285, 0.2012, 0.1568



16.7368, 0.1802, 0.1211



24.7829, 0.2366, 0.1548



17.7067, 0.2979, 0.3072



4.3283, 0.1522, 0.0678



0.5231, 0.1561, 0.0820

Previews

White Background



This preview shows how the Yxy color 83.4085, 0.4061, 0.4558 looks on a white background.

Color Contrast Check

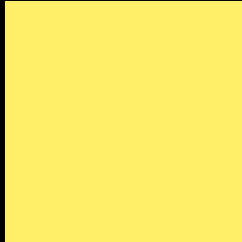
Large Text (above 18pt) WCAG AA × Fail

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 83.4085, 0.4061, 0.4558 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 83.4085, 0.4061, 0.4558

Background



This preview shows how black text looks on a background with the Yxy color 83.4085, 0.4061, 0.4558.

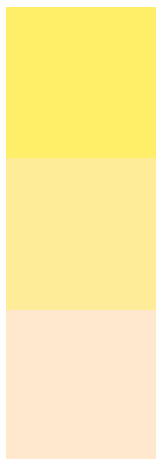


This preview shows how white text looks on a background with the Yxy color 83.4085, 0.4061, 0.4558.

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

83.4085, 0.4061, 0.4558

Protanopia

83.5179, 0.3803, 0.4131

Deuteranopia

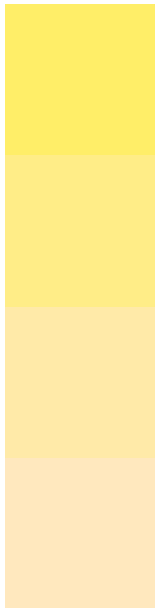
83.3810, 0.3465, 0.3562



Tritanopia

83.5306, 0.3242, 0.3192

Trichromacy



Original Color

83.4085, 0.4061, 0.4558

Protanomaly

83.5776, 0.3902, 0.4296

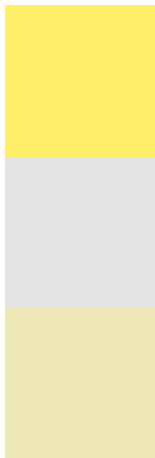
Deuteranomaly

82.9328, 0.3708, 0.3956

Tritanomaly

82.6909, 0.3567, 0.3715

Monochromacy



Original Color

83.4085, 0.4061, 0.4558

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

79.3093, 0.3489, 0.3808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4085, 0.4061, 0.4558 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, 238, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 104)  
}
```

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, 238, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 104) }
```

Border

The CSS property to change the border of an element to Yxy 83.4085, 0.4061, 0.4558 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, 238, 104) }
```

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

```
.border{ border-color:rgb(255, 238, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4085, 0.4061, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 104) }
```

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

```
.background{ background-color: rgb(255,  
238, 104) }
```

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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