

Converting Colors

Yxy(84.1314, 0.3646, 0.5063)

Have a look what the booklet for
Yxy(84.1314, 0.3646, 0.5063)
contains.

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Color

Yxy(84.1659, 0.3648, 0.5063)

Conversions

Conversions Part 1

Format	Color
Hex	C6FF54
RGB	198, 255, 84
RGB Percent	78%, 100%, 33%
CMY	0.2236, 0.0000, 0.6707
CMYK	0.22, 0.00, 0.67, 0.00
HSL	80°, 100%, 66%
HSV	80°, 67%, 100%
XYZ	60.6433, 84.1659, 21.4280
YIQ	218.4630, 20.9190, -65.2650

Conversions

Conversions Part 2

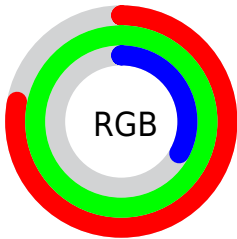
Format	Color
RYB	84, 255, 141
Decimal	13041492
CIELab	93.52, -41.63, 72.50
CIElCh	94, 83.603, 119.868
Yxy	84.1659, 0.3648, 0.5063
Android (android.graphics.Color)	4291231572 (0xFFC6FF54)
YUV	218.4630, -66.2903, -17.9461
Hunter-Lab	91.7420, -42.5563, 50.3711

Details

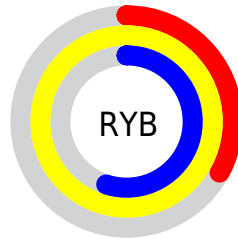
The Yxy color **84.1659, 0.3648, 0.5063** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **19.2161, 0.2175, 0.1298**, and the grayscale version is **70.8954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7031, 0.3793, 0.4391**, and **45.9811, 0.3675, 0.5441** is the 20% darker color. If you saturate the color by 10%, you get **82.7101, 0.3663, 0.5257**, and if you desaturate by 10%, it is **85.8246, 0.3608, 0.4829**.

Distribution



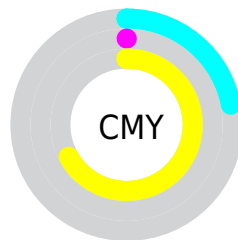
- Red (78%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (55%)



- Cyan (22%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1659, 0.3648, 0.5063 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 84.1659, 0.3648, 0.5063 by changing the saturation by 10% instead.


 84.1659, 0.3648,
0.5063


 84.1659, 0.3648,
0.5063


508.8640, 0.3479,
0.4248


 63.1524, 0.3665,
0.5237


 139.2072, 0.3607,
0.4788


 45.9645, 0.3673,
0.5443


 174.0038, 0.3585,
0.4678

 32.2178, 0.3665,
0.5687


 214.1636, 0.3565,
0.4582

 21.5279, 0.3625,
0.5974

 260.0710, 0.3545,
0.4499

 13.5104, 0.3555,
0.6362

312.1103, 0.3527,
0.4425

 7.7810, 0.3314,
0.6686


370.6660, 0.3510,


 3.9551, 0.2908,


0.4359


0.7092


436.1224, 0.3494,
0.4300


 1.6485, 0.1978,
0.8022


 0.3900, 0.0000,
1.0000


 84.1659, 0.3648,
0.5063

 84.1659, 0.3648,
0.5063


 82.7101, 0.3663,
0.5257


 85.8246, 0.3608,
0.4829


 81.4503, 0.3653,
0.5402

 87.7124, 0.3547,
0.4566

 80.3607, 0.3619,
0.5496

 89.8389, 0.3471,
0.4287

 80.0645, 0.3607,
0.5518

 92.2166, 0.3383,
0.4005

 94.8566, 0.3290,
0.3729

 97.7695, 0.3194,
0.3466

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.



84.1659, 0.4447, 0.4673



84.1659, 0.3648, 0.5063



84.1659, 0.2763, 0.4786

Triad

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



84.1659, 0.3648, 0.5063



84.1659, 0.1563, 0.2175



84.1659, 0.4256, 0.2746

Complementary

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



84.1659, 0.3648, 0.5063



19.2161, 0.2175, 0.1298

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.



84.1659, 0.3279, 0.2249



84.1659, 0.3648, 0.5063



84.1659, 0.1819, 0.1916

Square

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



84.1659, 0.3648, 0.5063



84.1659, 0.1621, 0.2812



84.1659, 0.2396, 0.1957



84.1659, 0.4905, 0.3362

Rectangle

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



84.1659, 0.3648, 0.5063



84.1659, 0.2240, 0.4186



84.1659, 0.2396, 0.1957



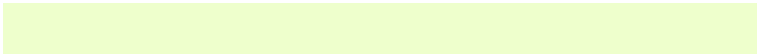
84.1659, 0.3944, 0.2562

Sweetspot

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



84.1623, 0.3648, 0.5063



94.0563, 0.3317, 0.3809



40.9418, 0.4901, 0.3833



19.9720, 0.3344, 0.3886



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.



84.1623, 0.3648, 0.5063



82.3224, 0.3663, 0.5304



75.6351, 0.3141, 0.5387



20.7696, 0.3217, 0.3528



41.9204, 0.3616, 0.5511



4.1414, 0.3683, 0.5458

Inverse Universe

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



19.2161, 0.2175, 0.1298



13.5104, 0.1972, 0.0992



29.8035, 0.2928, 0.1655



17.6719, 0.3031, 0.3048



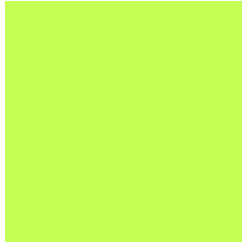
4.8546, 0.1743, 0.0734



0.5295, 0.1864, 0.0801

Previews

White Background



This preview shows how the Yxy color 84.1659, 0.3648, 0.5063 looks on a white background.

Color Contrast Check

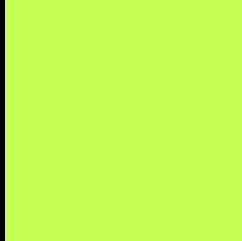
Large Text (above 18pt) WCAG AA × Fail

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 84.1659, 0.3648, 0.5063 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

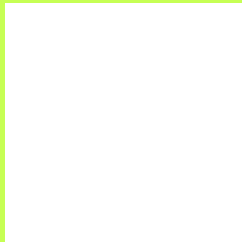
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1659, 0.3648, 0.5063

Background



This preview shows how black text looks on a background with the Yxy color 84.1659, 0.3648, 0.5063.

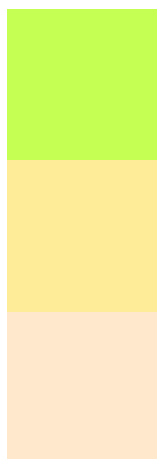


This preview shows how white text looks on a background with the Yxy color 84.1659, 0.3648, 0.5063.

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

84.1659, 0.3648, 0.5063

Protanopia

83.5179, 0.3803, 0.4131

Deuteranopia

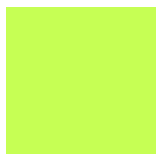
83.3329, 0.3472, 0.3572



Tritanopia

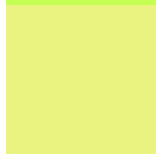
83.5847, 0.2912, 0.3115

Trichromacy



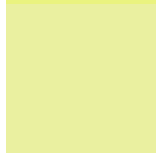
Original Color

84.1659, 0.3648, 0.5063



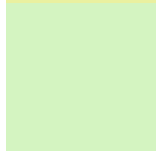
Protanomaly

83.1259, 0.3766, 0.4484



Deuteranomaly

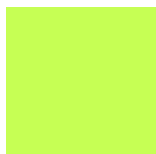
82.3507, 0.3587, 0.4135



Tritanomaly

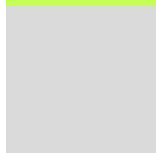
82.5487, 0.3224, 0.3850

Monochromacy



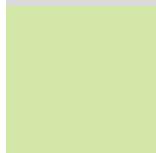
Original Color

84.1659, 0.3648, 0.5063



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.8653, 0.3385, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1659, 0.3648, 0.5063 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(198, 255, 84)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 84)  
}
```

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(198, 255, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 84) }
```

Border

The CSS property to change the border of an element to Yxy 84.1659, 0.3648, 0.5063 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(198, 255, 84) }
```

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

```
.border{ border-color:rgb(198, 255, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 84);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1659, 0.3648, 0.5063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 84) }
```

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

```
.background{ background-color: rgb(198,  
255, 84) }
```

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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