

Converting Colors

$Yxy(83.5858, 0.3711, 0.4758)$

Have a look what the booklet for
Yxy(83.5858, 0.3711, 0.4758)
contains.

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Color

Yxy(83.5858, 0.3711, 0.4758)

Conversions

Conversions Part 1

Format	Color
Hex	D9F96C
RGB	217, 249, 108
RGB Percent	85%, 98%, 42%
CMY	0.1491, 0.0235, 0.5763
CMYK	0.13, 0.00, 0.57, 0.02
HSL	74°, 92%, 70%
HSV	74°, 57%, 98%
XYZ	65.1927, 83.5858, 26.8957
YIQ	223.3580, 26.1890, -50.6350

Conversions

Conversions Part 2

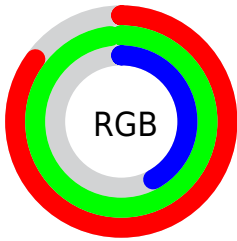
Format	Color
RYB	108, 249, 140
Decimal	14285164
CIELab	93.27, -30.04, 62.91
CIElCh	93, 69.714, 115.527
Yxy	83.5858, 0.3711, 0.4758
Android (android.graphics.Color)	4292475244 (0xFFD9F96C)
YUV	223.3580, -56.8715, -5.5760
Hunter-Lab	91.4253, -32.7111, 46.5556

Details

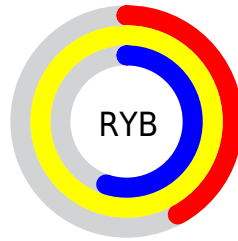
The Yxy color **83.5858, 0.3711, 0.4758** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **23.1573, 0.2238, 0.1556**, and the grayscale version is **74.4598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **45.7588, 0.3775, 0.5082** is the 20% darker color. If you saturate the color by 10%, you get **82.2803, 0.3771, 0.4972**, and if you desaturate by 10%, it is **85.0800, 0.3630, 0.4514**.

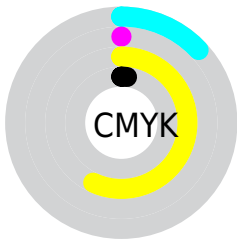
Distribution



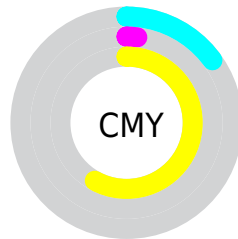
- Red (85%)
- Green (98%)
- Blue (42%)



- Red (42%)
- Yellow (98%)
- Blue (55%)



- Cyan (13%)
- Magenta (0%)
- Yellow (57%)
- Black (2%)




- Cyan (15%)
- Magenta (2%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5858, 0.3711, 0.4758 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 83.5858, 0.3711, 0.4758 by changing the saturation by 10% instead.


 83.5858, 0.3711,
0.4758


 83.5858, 0.3711,
0.4758


506.9368, 0.3490,
0.4085


 62.6735, 0.3746,
0.4903

 138.3956, 0.3646,
0.4530

 45.5771, 0.3781,
0.5077


 173.0620, 0.3617,
0.4440

 31.9123, 0.3811,
0.5284


 213.0818, 0.3591,
0.4361

 21.2945, 0.3827,
0.5534

 258.8395, 0.3567,
0.4292

 13.3394, 0.3809,
0.5833

310.7194, 0.3545,
0.4231

 7.6627, 0.3756,
0.6244

369.1060, 0.3525,

 3.8799, 0.3459,

0.4177

0.6541

434.3837, 0.3507,
0.4129

■ 1.6066, 0.2921,
0.7079

■ 0.3620, 0.0000,
1.0000

■ 83.5858, 0.3711,
0.4758

■ 83.5858, 0.3711,
0.4758

■ 82.2803, 0.3771,
0.4972

■ 85.0800, 0.3630,
0.4514

■ 81.1385, 0.3806,
0.5146


■ 86.7636, 0.3534,
0.4251

■ 80.1485, 0.3814,
0.5273

■ 88.6512, 0.3427,
0.3980

■ 79.2903, 0.3798,
0.5353

■ 90.7527, 0.3314,
0.3712

 79.0191, 0.3789,
0.5373

 93.0774, 0.3201,
0.3453

 95.4752, 0.3104,
0.3232

 96.2389, 0.3130,
0.3233

Harmonies

Analogous

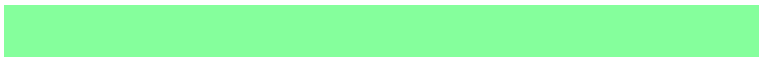
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5858, 0.4358, 0.4430



83.5858, 0.3711, 0.4758



83.5858, 0.2949, 0.4585

Triad

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



83.5858, 0.3711, 0.4758



83.5858, 0.1761, 0.2409



83.5858, 0.3965, 0.2761

Complementary

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



83.5858, 0.3711, 0.4758



23.1573, 0.2238, 0.1556

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.



83.5858, 0.3145, 0.2343



83.5858, 0.3711, 0.4758



83.5858, 0.1948, 0.2123

Square

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



83.5858, 0.3711, 0.4758



83.5858, 0.1865, 0.3016



83.5858, 0.2420, 0.2115



83.5858, 0.4568, 0.3299

Rectangle

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



83.5858, 0.3711, 0.4758



83.5858, 0.2478, 0.4147



83.5858, 0.2420, 0.2115



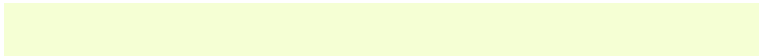
83.5858, 0.3699, 0.2604

Sweetspot

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



83.5896, 0.3711, 0.4758



95.6946, 0.3319, 0.3723



39.5711, 0.4646, 0.3608



20.3835, 0.3342, 0.3777



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.



83.5896, 0.3711, 0.4758



86.6590, 0.3777, 0.5000



75.1369, 0.3252, 0.5007



19.9802, 0.3234, 0.3527



42.3597, 0.3796, 0.5368



3.9701, 0.3846, 0.5329

Inverse Universe

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



23.1573, 0.2238, 0.1556



17.2604, 0.2028, 0.1210



31.1400, 0.2820, 0.1800



16.8333, 0.3014, 0.3047



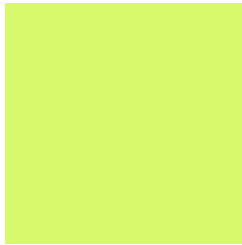
4.1724, 0.1622, 0.0667



0.4317, 0.1732, 0.0728

Previews

White Background



This preview shows how the Yxy color 83.5858, 0.3711, 0.4758 looks on a white background.

Color Contrast Check

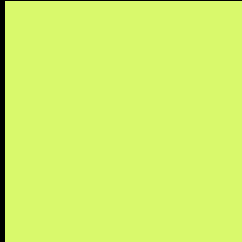
Large Text (above 18pt) WCAG AA × Fail

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 83.5858, 0.3711, 0.4758 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 83.5858, 0.3711, 0.4758

Background



This preview shows how black text looks on a background with the Yxy color 83.5858, 0.3711, 0.4758.

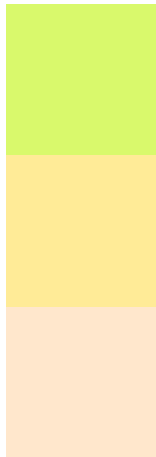


This preview shows how white text looks on a background with the Yxy color 83.5858, 0.3711, 0.4758.

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

83.5858, 0.3711, 0.4758

Protanopia

82.9110, 0.3813, 0.4131

Deuteranopia

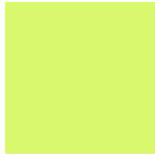
82.7715, 0.3474, 0.3563



Tritanopia

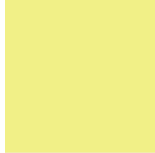
83.3663, 0.3017, 0.3108

Trichromacy



Original Color

83.5858, 0.3711, 0.4758



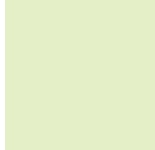
Protanomaly

82.7702, 0.3786, 0.4363



Deuteranomaly

82.7144, 0.3587, 0.4009



Tritanomaly

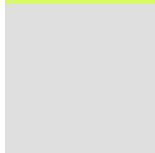
82.3971, 0.3296, 0.3705

Monochromacy



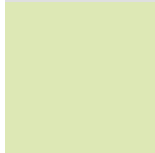
Original Color

83.5858, 0.3711, 0.4758



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.4216, 0.3378, 0.3852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5858, 0.3711, 0.4758 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(217, 249, 108)` looks like.

```
.text, #text, p{  
    color:rgb(217, 249, 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(217, 249, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 249, 108) }
```

Border

The CSS property to change the border of an element to Yxy 83.5858, 0.3711, 0.4758 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(217, 249, 108) }
```

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

```
.border{ border-color:rgb(217, 249, 108) }
```

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

Here you see how a box with a 4 pixel rgb(217, 249, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 249, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 249, 108);  
box-shadow:4px 4px 4px 4px rgb(217, 249,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5858, 0.3711, 0.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 249, 108) }
```

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

```
.background{ background-color: rgb(217,  
249, 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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