

Converting Colors

$Yxy(85.9553, 0.3601, 0.4805)$

Have a look what the booklet for
Yxy(85.9553, 0.3601, 0.4805)
contains.

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Color

Yxy(85.9553, 0.3601, 0.4805)

Conversions

Conversions Part 1

Format	Color
Hex	CFFF70
RGB	207, 255, 112
RGB Percent	81%, 100%, 44%
CMY	0.1882, 0.0000, 0.5609
CMYK	0.19, 0.00, 0.56, 0.00
HSL	80°, 100%, 72%
HSV	80°, 56%, 100%
XYZ	64.4173, 85.9553, 28.5146
YIQ	224.3460, 17.2950, -54.6490

Conversions

Conversions Part 2

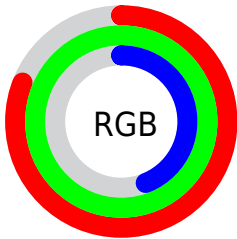
Format	Color
RYB	112, 255, 160
Decimal	13631344
CIELab	94.29, -36.21, 62.20
CIElCh	94, 71.973, 120.202
Yxy	85.9553, 0.3601, 0.4805
Android (android.graphics.Color)	4291821424 (0xFFCFFF70)
YUV	224.3460, -55.3866, -15.2124
Hunter-Lab	92.7121, -38.2226, 46.6632

Details

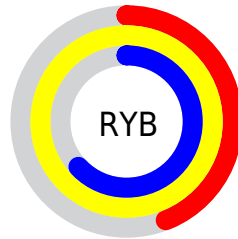
The Yxy color **85.9553, 0.3601, 0.4805** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **26.2706, 0.2362, 0.1619**, and the grayscale version is **75.1956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **47.1577, 0.3651, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **84.2670, 0.3643, 0.5043**, and if you desaturate by 10%, it is **87.8725, 0.3539, 0.4540**.

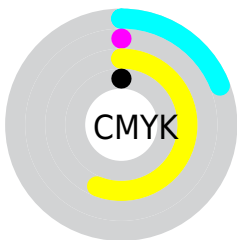
Distribution



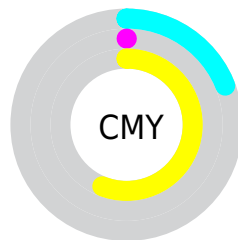
- Red (81%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (63%)



- Cyan (19%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9553, 0.3601, 0.4805 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 85.9553, 0.3601, 0.4805 by changing the saturation by 10% instead.


 85.9553, 0.3601,
0.4805

 85.9553, 0.3601,
0.4805


514.7838, 0.3431,
0.4105

 64.6310, 0.3625,
0.4958


 141.7071, 0.3554,
0.4566

 47.1619, 0.3646,
0.5142


 176.9034, 0.3532,
0.4472

 33.1637, 0.3660,
0.5364


 217.4925, 0.3512,
0.4390

 22.2519, 0.3657,
0.5636

263.8588, 0.3493,
0.4319

 14.0421, 0.3615,
0.5965

316.3867, 0.3476,
0.4256

 8.1499, 0.3546,
0.6454

375.4606, 0.3460,

 4.1910, 0.3204,

0.4200

0.6796

441.4648, 0.3445,
0.4150

■ 1.7810, 0.2583,
0.7417

■ 0.4753, 0.0000,
1.0000

■ 85.9553, 0.3601,
0.4805

■ 85.9553, 0.3601,
0.4805

■ 84.2670, 0.3643,
0.5043

■ 87.8725, 0.3539,
0.4540

■ 82.7906, 0.3660,
0.5242


■ 90.0299, 0.3461,
0.4260

■ 81.5094, 0.3652,
0.5392

■ 92.4404, 0.3373,
0.3978

■ 80.4018, 0.3620,
0.5491

■ 95.1152, 0.3280,
0.3703

 80.0040, 0.3603,
0.5521

 98.0647, 0.3185,
0.3441

100.0000, 0.3127,
0.3290

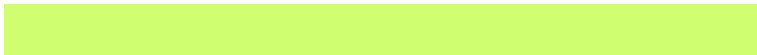
Harmonies

Analogous

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



85.9553, 0.4293, 0.4524



85.9553, 0.3601, 0.4805



85.9553, 0.2824, 0.4534

Triad

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



85.9553, 0.3601, 0.4805



85.9553, 0.1746, 0.2323



85.9553, 0.4104, 0.2829

Complementary

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



85.9553, 0.3601, 0.4805



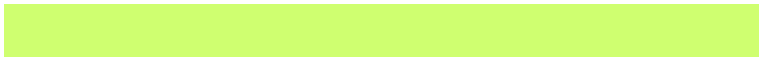
26.2706, 0.2362, 0.1619

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.



85.9553, 0.3275, 0.2380



85.9553, 0.3601, 0.4805



85.9553, 0.1982, 0.2082

Square

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



85.9553, 0.3601, 0.4805



85.9553, 0.1803, 0.2890



85.9553, 0.2505, 0.2114



85.9553, 0.4656, 0.3387

Rectangle

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



85.9553, 0.3601, 0.4805



85.9553, 0.2363, 0.4037



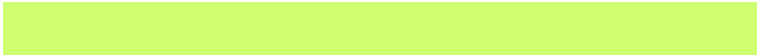
85.9553, 0.2505, 0.2114



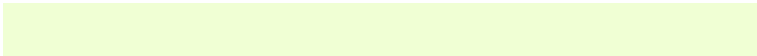
85.9553, 0.3841, 0.2663

Sweetspot

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



85.9560, 0.3601, 0.4805



94.8609, 0.3288, 0.3727



47.4480, 0.4512, 0.3777



20.1855, 0.3307, 0.3782



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.



85.9560, 0.3601, 0.4805



84.1243, 0.3645, 0.5063



77.9072, 0.3159, 0.5043



20.7676, 0.3217, 0.3528



41.8890, 0.3613, 0.5513



4.1385, 0.3680, 0.5460

Inverse Universe

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



26.2706, 0.2362, 0.1619



19.2883, 0.2179, 0.1301



35.8171, 0.2973, 0.1873



17.6738, 0.3031, 0.3048



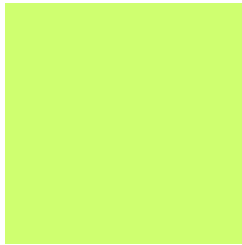
4.8682, 0.1746, 0.0735



0.5310, 0.1868, 0.0802

Previews

White Background



This preview shows how the Yxy color 85.9553, 0.3601, 0.4805 looks on a white background.

Color Contrast Check

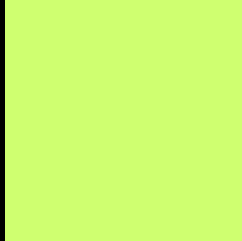
Large Text (above 18pt) WCAG AA × Fail

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 85.9553, 0.3601, 0.4805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

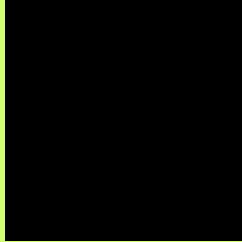
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.9553, 0.3601, 0.4805

Background



This preview shows how black text looks on a background with the Yxy color 85.9553, 0.3601, 0.4805.

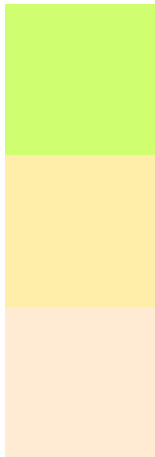


This preview shows how white text looks on a background with the Yxy color 85.9553, 0.3601, 0.4805.

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

85.9553, 0.3601, 0.4805

Protanopia

85.2736, 0.3689, 0.3983

Deuteranopia

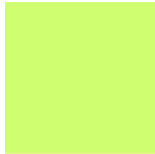
85.4301, 0.3413, 0.3520



Tritanopia

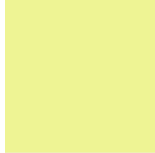
85.4470, 0.2962, 0.3128

Trichromacy



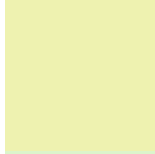
Original Color

85.9553, 0.3601, 0.4805



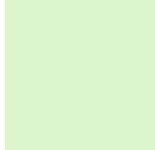
Protanomaly

85.0166, 0.3674, 0.4282



Deuteranomaly

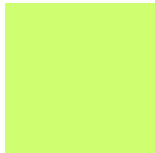
84.8160, 0.3511, 0.3979



Tritanomaly

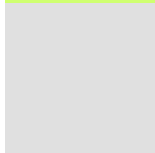
84.8323, 0.3216, 0.3740

Monochromacy



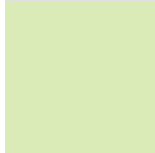
Original Color

85.9553, 0.3601, 0.4805



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.7410, 0.3339, 0.3864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9553, 0.3601, 0.4805 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(207, 255, 112)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 112)  
}
```

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(207, 255, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 112) }
```

Border

The CSS property to change the border of an element to Yxy 85.9553, 0.3601, 0.4805 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(207, 255, 112) }
```

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

```
.border{ border-color:rgb(207, 255, 112) }
```

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

Here you see how a box with a 4 pixel rgb(207, 255, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 112);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9553, 0.3601, 0.4805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 112) }
```

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

```
.background{ background-color: rgb(207,  
255, 112) }
```

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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