

Converting Colors

$Yxy(84.0369, 0.3507, 0.4855)$

Have a look what the booklet for
Yxy(84.0369, 0.3507, 0.4855)
contains.

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Color

Yxy(84.0273, 0.3506, 0.4856)

Conversions

Conversions Part 1

Format	Color
Hex	C1FF70
RGB	193, 255, 112
RGB Percent	76%, 100%, 44%
CMY	0.2433, 0.0000, 0.5609
CMYK	0.24, 0.00, 0.56, 0.00
HSL	86°, 100%, 72%
HSV	86°, 56%, 100%
XYZ	60.6672, 84.0273, 28.3436
YIQ	220.1600, 8.9510, -57.6170

Conversions

Conversions Part 2

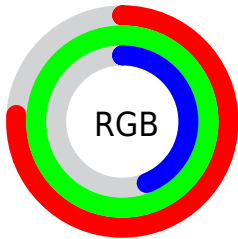
Format	Color
RYB	112, 255, 174
Decimal	12713840
CIELab	93.46, -41.32, 61.03
CIElCh	93, 73.699, 124.100
Yxy	84.0273, 0.3506, 0.4856
Android (android.graphics.Color)	4290903920 (0xFFC1FF70)
YUV	220.1600, -53.3229, -23.8193
Hunter-Lab	91.6664, -42.2804, 45.8338

Details

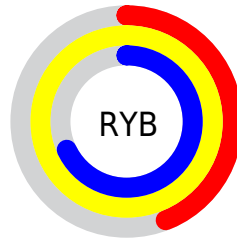
The Yxy color **84.0273, 0.3506, 0.4856** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **27.8057, 0.2475, 0.1666**, and the grayscale version is **72.0503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0055, 0.3628, 0.4159**, and **45.9178, 0.3529, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **82.1315, 0.3531, 0.5113**, and if you desaturate by 10%, it is **86.1796, 0.3461, 0.4573**.

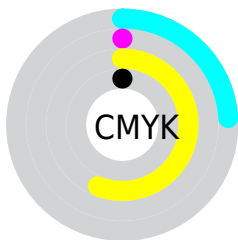
Distribution



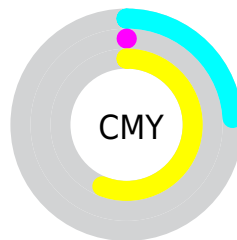
- Red (76%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (68%)



- Cyan (24%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0273, 0.3506, 0.4856 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 84.0273, 0.3506, 0.4856 by changing the saturation by 10% instead.


 84.0273, 0.3506,
0.4856

 84.0273, 0.3506,
0.4856

508.4039, 0.3380,
0.4122


 63.0380, 0.3520,
0.5019


 139.0134, 0.3474,
0.4603

 45.8719, 0.3529,
0.5217


 173.7789, 0.3458,
0.4504

 32.1448, 0.3528,
0.5458

 213.9053, 0.3443,
0.4419

 21.4721, 0.3504,
0.5756

259.7769, 0.3428,
0.4344

 13.4695, 0.3435,
0.6123

311.7782, 0.3415,
0.4278

 7.7527, 0.3325,
0.6675

370.2935, 0.3402,

 3.9371, 0.2920,

0.4220

0.7080

435.7073, 0.3391,
0.4169

■ 1.6384, 0.1993,
0.8007

■ 0.3833, 0.0000,
1.0000

■ 84.0273, 0.3506,
0.4856

■ 84.0273, 0.3506,
0.4856

■ 82.1315, 0.3531,
0.5113

■ 86.1796, 0.3461,
0.4573

■ 80.4954, 0.3534,
0.5331


■ 88.6227, 0.3401,
0.4280

■ 79.0937, 0.3512,
0.5498

■ 91.3633, 0.3330,
0.3988

■ 77.9036, 0.3468,
0.5611

■ 94.4138, 0.3254,
0.3706

 77.4830, 0.3448,
0.5645

 97.7857, 0.3175,
0.3441

100.0000, 0.3127,
0.3290

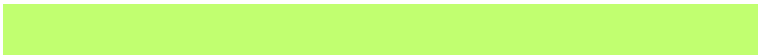
Harmonies

Analogous

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



84.0273, 0.4241, 0.4615



84.0273, 0.3506, 0.4856



84.0273, 0.2713, 0.4495

Triad

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



84.0273, 0.3506, 0.4856



84.0273, 0.1726, 0.2244



84.0273, 0.4232, 0.2884

Complementary

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



84.0273, 0.3506, 0.4856



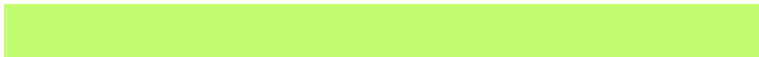
27.8057, 0.2475, 0.1666

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.



84.0273, 0.3392, 0.2406



84.0273, 0.3506, 0.4856



84.0273, 0.2004, 0.2039

Square

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



84.0273, 0.3506, 0.4856



84.0273, 0.1743, 0.2778



84.0273, 0.2576, 0.2107



84.0273, 0.4741, 0.3463

Rectangle

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



84.0273, 0.3506, 0.4856



84.0273, 0.2259, 0.3944



84.0273, 0.2576, 0.2107



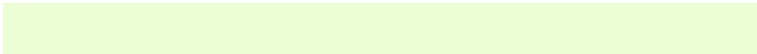
84.0273, 0.3971, 0.2709

Sweetspot

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



84.0208, 0.3506, 0.4856



94.1218, 0.3261, 0.3731



52.6843, 0.4413, 0.3922



20.0106, 0.3276, 0.3787



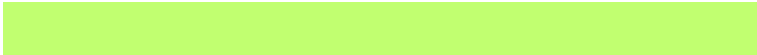
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0208, 0.3506, 0.4856



81.9717, 0.3533, 0.5135



76.7917, 0.3086, 0.5081



20.6756, 0.3202, 0.3530



40.5765, 0.3459, 0.5636



4.0154, 0.3539, 0.5572

Inverse Universe

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



27.8057, 0.2475, 0.1666



20.8804, 0.2312, 0.1364



38.3002, 0.3103, 0.1927



17.7631, 0.3047, 0.3049



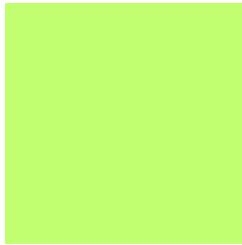
5.6102, 0.1899, 0.0820



0.6094, 0.2025, 0.0889

Previews

White Background



This preview shows how the Yxy color 84.0273, 0.3506, 0.4856 looks on a white background.

Color Contrast Check

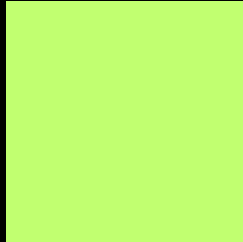
Large Text (above 18pt) WCAG AA × Fail

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 84.0273, 0.3506, 0.4856 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 84.0273, 0.3506, 0.4856

Background



This preview shows how black text looks on a background with the Yxy color 84.0273, 0.3506, 0.4856.

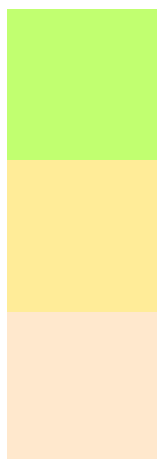


This preview shows how white text looks on a background with the Yxy color 84.0273, 0.3506, 0.4856.

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

84.0273, 0.3506, 0.4856

Protanopia

83.5179, 0.3803, 0.4131

Deuteranopia

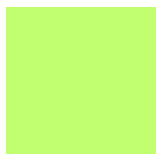
83.3810, 0.3465, 0.3562



Tritanopia

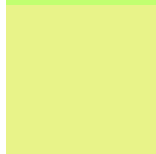
83.7047, 0.2894, 0.3124

Trichromacy



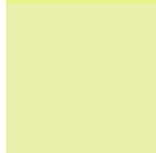
Original Color

84.0273, 0.3506, 0.4856



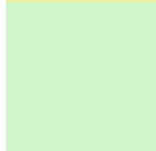
Protanomaly

83.0631, 0.3697, 0.4397



Deuteranomaly

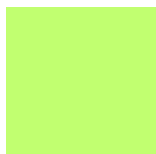
82.4163, 0.3504, 0.4023



Tritanomaly

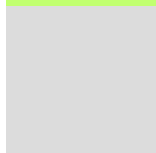
83.0265, 0.3138, 0.3751

Monochromacy



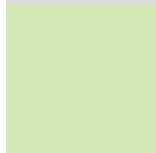
Original Color

84.0273, 0.3506, 0.4856



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.3157, 0.3298, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0273, 0.3506, 0.4856 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(193, 255, 112)` looks like.

```
.text, #text, p{  
    color:rgb(193, 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(193, 255, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 112) }
```

Border

The CSS property to change the border of an element to Yxy 84.0273, 0.3506, 0.4856 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(193, 255, 112) }
```

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

```
.border{ border-color:rgb(193, 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(193, 255, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 112);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0273, 0.3506, 0.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 112) }
```

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

```
.background{ background-color: rgb(193,  
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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