

Converting Colors

$Yxy(86.1801, 0.3663, 0.4877)$

Have a look what the booklet for
Yxy(86.1801, 0.3663, 0.4877)
contains.

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Color

Yxy(86.1809, 0.3663, 0.4877)

Conversions

Conversions Part 1

Format	Color
Hex	D2FF66
RGB	210, 255, 102
RGB Percent	82%, 100%, 40%
CMY	0.1766, 0.0000, 0.5999
CMYK	0.18, 0.00, 0.60, 0.00
HSL	78°, 100%, 70%
HSV	78°, 60%, 100%
XYZ	64.7284, 86.1809, 25.7995
YIQ	224.1030, 22.2930, -57.1230

Conversions

Conversions Part 2

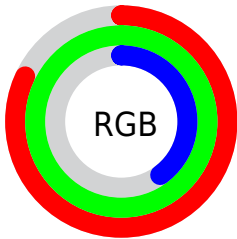
Format	Color
R_{YB}	102, 255, 147
Decimal	13827942
CIE _{Lab}	94.39, -35.92, 66.57
CIE _{LCh}	94, 75.638, 118.349
Yxy	86.1809, 0.3663, 0.4877
Android (android.graphics.Color)	4292018022 (0xFFD2FF66)
YUV	224.1030, -60.1968, -12.3683
Hunter-Lab	92.8337, -37.9995, 48.5062

Details

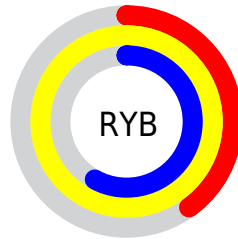
The Yxy color **86.1809, 0.3663, 0.4877** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **22.9379, 0.2249, 0.1480**, and the grayscale version is **75.0375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **47.2380, 0.3712, 0.5223** is the 20% darker color. If you saturate the color by 10%, you get **84.6683, 0.3703, 0.5092**, and if you desaturate by 10%, it is **87.8892, 0.3601, 0.4628**.

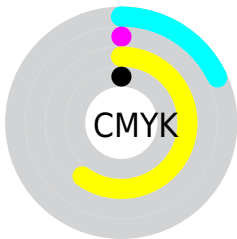
Distribution



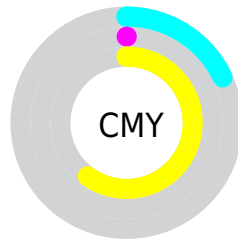
- Red (82%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (58%)



- Cyan (18%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1809, 0.3663, 0.4877 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 86.1809, 0.3663, 0.4877 by changing the saturation by 10% instead.


 86.1809, 0.3663,
0.4877


 86.1809, 0.3663,
0.4877


515.5275, 0.3472,
0.4150


 64.8176, 0.3689,
0.5034


 142.0219, 0.3611,
0.4631


 47.3132, 0.3712,
0.5220


 177.2684, 0.3586,
0.4533

 33.2833, 0.3725,
0.5443


 217.9113, 0.3563,
0.4448

 22.3436, 0.3719,
0.5709

 264.3352, 0.3542,
0.4373

 14.1096, 0.3672,
0.6031

316.9244, 0.3523,
0.4308

 8.1969, 0.3559,
0.6441

376.0632, 0.3504,

 4.2212, 0.3221,

0.4249

0.6779

442.1361, 0.3488,
0.4197

■ 1.7981, 0.2617,
0.7383

■ 0.4860, 0.0000,
1.0000

■ 86.1809, 0.3663,
0.4877

■ 86.1809, 0.3663,
0.4877

■ 84.6683, 0.3703,
0.5092

■ 87.8892, 0.3601,
0.4628

■ 83.3533, 0.3717,
0.5265


■ 89.8242, 0.3521,
0.4360


■ 82.2117, 0.3705,
0.5388

■ 91.9923, 0.3429,
0.4082

■ 81.2140, 0.3672,
0.5466

■ 94.4047, 0.3330,
0.3806

 81.2130, 0.3672,
0.5466

 97.0718, 0.3228,
0.3541

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.



86.1809, 0.4376, 0.4541



86.1809, 0.3663, 0.4877



86.1809, 0.2852, 0.4642

Triad

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



86.1809, 0.3663, 0.4877



86.1809, 0.1686, 0.2303



86.1809, 0.4102, 0.2773

Complementary

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



86.1809, 0.3663, 0.4877



22.9379, 0.2249, 0.1480

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.



86.1809, 0.3225, 0.2319



86.1809, 0.3663, 0.4877



86.1809, 0.1910, 0.2038

Square

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



86.1809, 0.3663, 0.4877



86.1809, 0.1761, 0.2912



86.1809, 0.2433, 0.2058



86.1809, 0.4710, 0.3345

Rectangle

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



86.1809, 0.3663, 0.4877



86.1809, 0.2365, 0.4134



86.1809, 0.2433, 0.2058



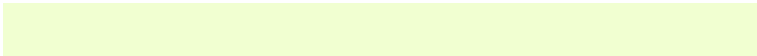
86.1809, 0.3821, 0.2604

Sweetspot

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



86.1752, 0.3663, 0.4877



94.9146, 0.3310, 0.3753



42.5840, 0.4706, 0.3723



20.1567, 0.3340, 0.3832



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.



86.1752, 0.3663, 0.4877



84.3890, 0.3708, 0.5131



77.6450, 0.3194, 0.5147



20.8064, 0.3223, 0.3528



42.5163, 0.3681, 0.5459



4.1961, 0.3741, 0.5412

Inverse Universe

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



22.9379, 0.2249, 0.1480



16.1723, 0.2043, 0.1145



32.2351, 0.2887, 0.1760



17.6369, 0.3025, 0.3047



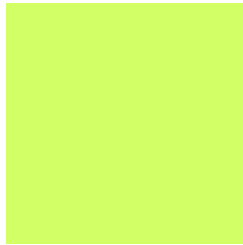
4.6224, 0.1693, 0.0706



0.5035, 0.1810, 0.0771

Previews

White Background



This preview shows how the Yxy color 86.1809, 0.3663, 0.4877 looks on a white background.

Color Contrast Check

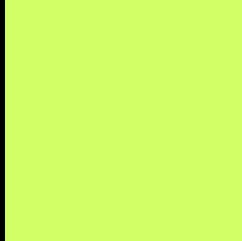
Large Text (above 18pt) WCAG AA × Fail

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 86.1809, 0.3663, 0.4877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

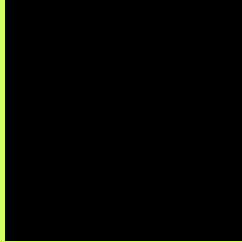
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1809, 0.3663, 0.4877

Background



This preview shows how black text looks on a background with the Yxy color 86.1809, 0.3663, 0.4877.

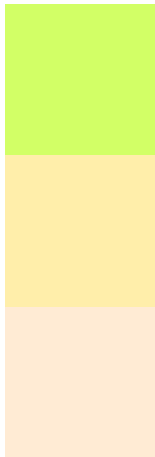


This preview shows how white text looks on a background with the Yxy color 86.1809, 0.3663, 0.4877.

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

86.1809, 0.3663, 0.4877

Protanopia

85.3114, 0.3683, 0.3973

Deuteranopia

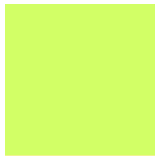
85.4301, 0.3413, 0.3520



Tritanopia

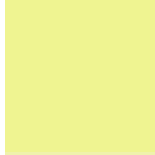
85.7760, 0.2974, 0.3128

Trichromacy



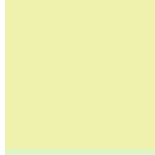
Original Color

86.1809, 0.3663, 0.4877



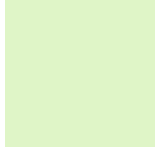
Protanomaly

85.0964, 0.3699, 0.4308



Deuteranomaly

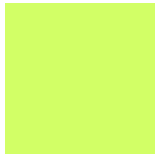
84.8335, 0.3543, 0.4019



Tritanomaly

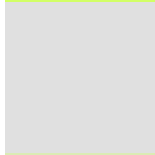
85.1163, 0.3260, 0.3781

Monochromacy



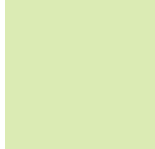
Original Color

86.1809, 0.3663, 0.4877



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.7720, 0.3365, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1809, 0.3663, 0.4877 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(210, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 102)  
}
```

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(210, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 86.1809, 0.3663, 0.4877 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(210, 255, 102) }
```

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

```
.border{ border-color:rgb(210, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1809, 0.3663, 0.4877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 102) }
```

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

```
.background{ background-color: rgb(210,  
255, 102) }
```

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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