

Converting Colors

Yxy(99.5819, 0.3665, 0.5096)

Have a look what the booklet for
Yxy(99.5819, 0.3665, 0.5096)
contains.

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Color

Yxy(86.4880, 0.3751, 0.4979)

Conversions

Conversions Part 1

Format	Color
Hex	D6FF56
RGB	214, 255, 86
RGB Percent	84%, 100%, 34%
CMY	0.1610, 0.0000, 0.6628
CMYK	0.16, 0.00, 0.66, 0.00
HSL	75°, 100%, 67%
HSV	75°, 66%, 100%
XYZ	65.1570, 86.4880, 22.0606
YIQ	223.4750, 29.8130, -61.2510

Conversions

Conversions Part 2

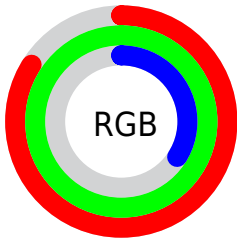
Format	Color
R _{YB}	86, 255, 127
Decimal	14090070
CIE _{Lab}	94.52, -35.51, 73.09
CIE _{LCh}	95, 81.256, 115.915
Y _{xy}	86.4880, 0.3751, 0.4979
Android (android.graphics.Color)	4292280150 (0xFFD6FF56)
YUV	223.4750, -67.7752, -8.3096
Hunter-Lab	92.9989, -37.6874, 51.0349

Details

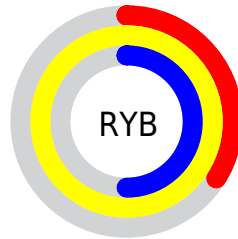
The Yxy color **86.4880, 0.3751, 0.4979** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **18.3903, 0.2077, 0.1267**, and the grayscale version is **74.6078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7632, 0.3782, 0.4373**, and **47.4851, 0.3808, 0.5322** is the 20% darker color. If you saturate the color by 10%, you get **85.2237, 0.3784, 0.5157**, and if you desaturate by 10%, it is **87.9147, 0.3693, 0.4760**.

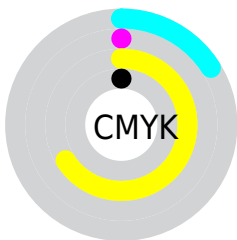
Distribution



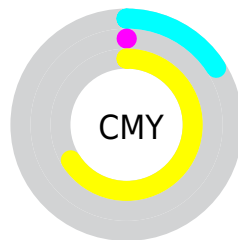
- Red (84%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (50%)



- Cyan (16%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4880, 0.3751, 0.4979 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 86.4880, 0.3751, 0.4979 by changing the saturation by 10% instead.


 86.4880, 0.3751,
0.4979


 86.4880, 0.3751,
0.4979


516.5390, 0.3533,
0.4216


 65.0716, 0.3779,
0.5139


 142.4503, 0.3692,
0.4724


 47.5191, 0.3802,
0.5326


 177.7649, 0.3665,
0.4622

 33.4462, 0.3813,
0.5546


 218.4811, 0.3638,
0.4532

 22.4685, 0.3798,
0.5801

 264.9833, 0.3614,
0.4453

 14.2016, 0.3757,
0.6132

317.6557, 0.3591,
0.4384

 8.2610, 0.3578,
0.6422

376.8829, 0.3570,

 4.2624, 0.3246,

0.4322

0.6754

443.0492, 0.3551,
0.4266

■ 1.8214, 0.2663,
0.7337

■ 0.5005, 0.0000,
1.0000

■ 86.4880, 0.3751,
0.4979

■ 86.4880, 0.3751,
0.4979

■ 85.2237, 0.3784,
0.5157

■ 87.9147, 0.3693,
0.4760

■ 84.1344, 0.3790,
0.5289

■ 89.5476, 0.3615,
0.4512


■ 83.1894, 0.3772,
0.5372

■ 91.3896, 0.3521,
0.4246

■ 82.8631, 0.3761,
0.5396

■ 93.4522, 0.3416,
0.3974

 95.7461, 0.3306,
0.3704

 98.2811, 0.3196,
0.3445

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.



86.4880, 0.4496, 0.4562



86.4880, 0.3751, 0.4979



86.4880, 0.2891, 0.4804

Triad

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



86.4880, 0.3751, 0.4979



86.4880, 0.1598, 0.2272



86.4880, 0.4100, 0.2693

Complementary

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



86.4880, 0.3751, 0.4979



18.3903, 0.2077, 0.1267

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.



86.4880, 0.3151, 0.2230



86.4880, 0.3751, 0.4979



86.4880, 0.1807, 0.1973

Square

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



86.4880, 0.3751, 0.4979



86.4880, 0.1699, 0.2946



86.4880, 0.2329, 0.1975



86.4880, 0.4790, 0.3284

Rectangle

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



86.4880, 0.3751, 0.4979



86.4880, 0.2365, 0.4280



86.4880, 0.2329, 0.1975



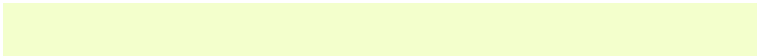
86.4880, 0.3791, 0.2520

Sweetspot

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



86.4782, 0.3751, 0.4979



94.8647, 0.3348, 0.3804



36.7070, 0.5018, 0.3662



20.1672, 0.3379, 0.3880



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.



86.4782, 0.3751, 0.4979



84.8000, 0.3789, 0.5212



77.0218, 0.3227, 0.5311



20.8554, 0.3231, 0.3527



43.3707, 0.3768, 0.5390



4.2734, 0.3819, 0.5350

Inverse Universe

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



18.3903, 0.2077, 0.1267



12.3294, 0.1852, 0.0930



27.5655, 0.2772, 0.1594



17.5908, 0.3017, 0.3047



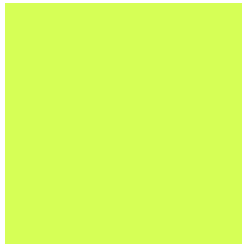
4.3644, 0.1636, 0.0675



0.4730, 0.1744, 0.0734

Previews

White Background



This preview shows how the Yxy color 86.4880, 0.3751, 0.4979 looks on a white background.

Color Contrast Check

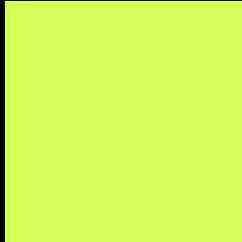
Large Text (above 18pt) WCAG AA × Fail

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 86.4880, 0.3751, 0.4979 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 86.4880, 0.3751, 0.4979

Background



This preview shows how black text looks on a background with the Yxy color 86.4880, 0.3751, 0.4979.

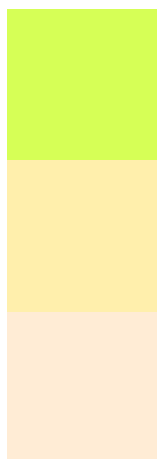


This preview shows how white text looks on a background with the Yxy color 86.4880, 0.3751, 0.4979.

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

86.4880, 0.3751, 0.4979

Protanopia

85.9716, 0.3667, 0.3963

Deuteranopia

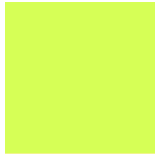
86.0550, 0.3405, 0.3520



Tritanopia

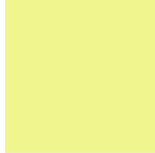
85.8615, 0.2999, 0.3119

Trichromacy



Original Color

86.4880, 0.3751, 0.4979



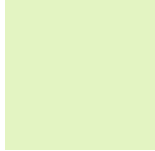
Protanomaly

85.7532, 0.3725, 0.4352



Deuteranomaly

85.4165, 0.3579, 0.4078



Tritanomaly

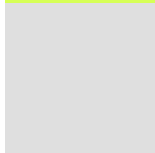
84.9273, 0.3319, 0.3821

Monochromacy



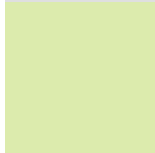
Original Color

86.4880, 0.3751, 0.4979



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.6494, 0.3417, 0.3973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4880, 0.3751, 0.4979 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(214, 255, 86)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 86)  
}
```

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(214, 255, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 86) }
```

Border

The CSS property to change the border of an element to Yxy 86.4880, 0.3751, 0.4979 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(214, 255, 86) }
```

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

```
.border{ border-color:rgb(214, 255, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 86);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4880, 0.3751, 0.4979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 86) }
```

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

```
.background{ background-color: rgb(214,  
255, 86) }
```

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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