

Converting Colors

$Y_{xy}(100.0000, 0.3689, 0.5102)$

Have a look what the booklet for
Yxy(100.0000, 0.3689, 0.5102)
contains.

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Color

Yxy(86.7435, 0.3776, 0.4990)

Conversions

Conversions Part 1

Format	Color
Hex	D8FF53
RGB	216, 255, 83
RGB Percent	85%, 100%, 33%
CMY	0.1529, 0.0000, 0.6748
CMYK	0.15, 0.00, 0.67, 0.00
HSL	74°, 100%, 66%
HSV	74°, 67%, 100%
XYZ	65.6400, 86.7435, 21.4512
YIQ	223.7310, 31.9680, -61.7600

Conversions

Conversions Part 2

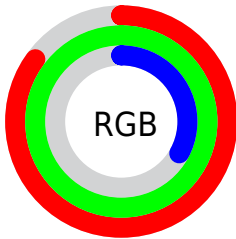
Format	Color
RYB	83, 255, 122
Decimal	14221139
CIELab	94.63, -34.89, 74.37
CIElCh	95, 82.145, 115.137
Yxy	86.7435, 0.3776, 0.4990
Android (android.graphics.Color)	4292411219 (0xFFD8FF53)
YUV	223.7310, -69.3804, -6.7801
Hunter-Lab	93.1362, -37.1862, 51.5396

Details

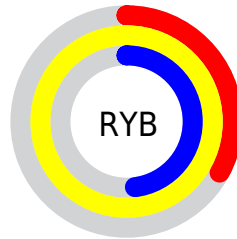
The Yxy color **86.7435, 0.3776, 0.4990** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **17.5269, 0.2037, 0.1225**, and the grayscale version is **74.8224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7031, 0.3793, 0.4391**, and **47.5628, 0.3827, 0.5335** is the 20% darker color. If you saturate the color by 10%, you get **85.5553, 0.3809, 0.5159**, and if you desaturate by 10%, it is **88.1079, 0.3718, 0.4779**.

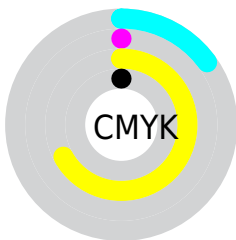
Distribution



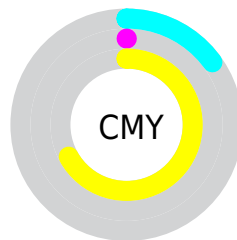
- Red (85%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (48%)



- Cyan (15%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7435, 0.3776, 0.4990 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 86.7435, 0.3776, 0.4990 by changing the saturation by 10% instead.

 86.7435, 0.3776,
0.4990

 86.7435, 0.3776,
0.4990


517.3796, 0.3549,
0.4225


 65.2830, 0.3805,
0.5149


 142.8066, 0.3715,
0.4736


 47.6906, 0.3829,
0.5335


 178.1779, 0.3686,
0.4633

 33.5819, 0.3841,
0.5551

 218.9549, 0.3659,
0.4543

 22.5726, 0.3827,
0.5801

 265.5221, 0.3633,
0.4464

 14.2782, 0.3791,
0.6131

318.2637, 0.3610,
0.4394

 8.3144, 0.3604,
0.6396

377.5643, 0.3588,

 4.2968, 0.3280,

0.4332

0.6720

443.8081, 0.3568,
0.4276

■ 1.8409, 0.2719,
0.7281

■ 0.5125, 0.0000,
1.0000

■ 86.7435, 0.3776,
0.4990

■ 86.7435, 0.3776,
0.4990

■ 85.5553, 0.3809,
0.5159

■ 88.1079, 0.3718,
0.4779

■ 84.5254, 0.3815,
0.5282


■ 89.6622, 0.3639,
0.4537

■ 83.6318, 0.3796,
0.5358

■ 91.4196, 0.3543,
0.4275

■ 83.4199, 0.3790,
0.5373

■ 93.3916, 0.3437,
0.4005

 95.5889, 0.3325,
0.3736

 98.0214, 0.3211,
0.3476

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.



86.7435, 0.4522, 0.4555



86.7435, 0.3776, 0.4990



86.7435, 0.2909, 0.4835

Triad

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



86.7435, 0.3776, 0.4990



86.7435, 0.1584, 0.2275



86.7435, 0.4086, 0.2673

Complementary

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



86.7435, 0.3776, 0.4990



17.5269, 0.2037, 0.1225

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.



86.7435, 0.3126, 0.2212



86.7435, 0.3776, 0.4990



86.7435, 0.1788, 0.1966

Square

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



86.7435, 0.3776, 0.4990



86.7435, 0.1694, 0.2964



86.7435, 0.2304, 0.1961



86.7435, 0.4795, 0.3266

Rectangle

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



86.7435, 0.3776, 0.4990



86.7435, 0.2376, 0.4316



86.7435, 0.2304, 0.1961



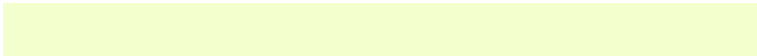
86.7435, 0.3772, 0.2500

Sweetspot

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



86.7438, 0.3776, 0.4990



95.0134, 0.3353, 0.3803



35.3667, 0.5092, 0.3635



20.2031, 0.3385, 0.3879



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.



86.7438, 0.3776, 0.4990



85.1756, 0.3814, 0.5208



77.0232, 0.3240, 0.5335



20.8710, 0.3234, 0.3527



43.6586, 0.3797, 0.5367



4.2992, 0.3844, 0.5330

Inverse Universe

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



17.5269, 0.2037, 0.1225



11.8174, 0.1818, 0.0900



26.5524, 0.2737, 0.1557



17.5762, 0.3014, 0.3047



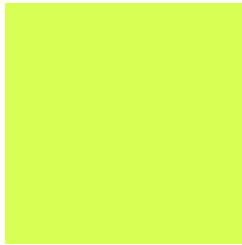
4.2935, 0.1620, 0.0666



0.4643, 0.1725, 0.0724

Previews

White Background



This preview shows how the Yxy color 86.7435, 0.3776, 0.4990 looks on a white background.

Color Contrast Check

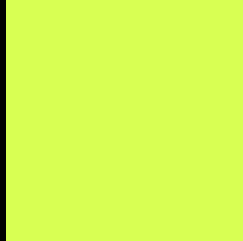
Large Text (above 18pt) WCAG AA × Fail

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 86.7435, 0.3776, 0.4990 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 86.7435, 0.3776, 0.4990

Background



This preview shows how black text looks on a background with the Yxy color 86.7435, 0.3776, 0.4990.

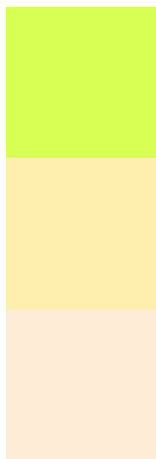


This preview shows how white text looks on a background with the Yxy color 86.7435, 0.3776, 0.4990.

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

86.7435, 0.3776, 0.4990

Protanopia

86.0490, 0.3654, 0.3943

Deuteranopia

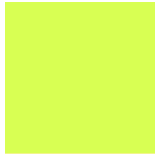
86.1059, 0.3398, 0.3510



Tritanopia

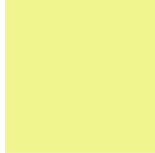
86.0312, 0.3006, 0.3120

Trichromacy



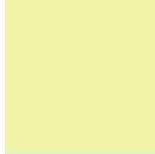
Original Color

86.7435, 0.3776, 0.4990



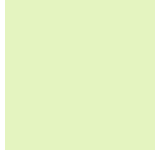
Protanomaly

85.9287, 0.3732, 0.4349



Deuteranomaly

85.5551, 0.3592, 0.4086



Tritanomaly

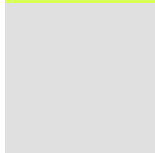
85.0011, 0.3338, 0.3842

Monochromacy



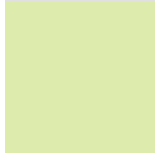
Original Color

86.7435, 0.3776, 0.4990



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.8059, 0.3424, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7435, 0.3776, 0.4990 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(216, 255, 83)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 83)  
}
```

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(216, 255, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 83) }
```

Border

The CSS property to change the border of an element to Yxy 86.7435, 0.3776, 0.4990 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(216, 255, 83) }
```

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

```
.border{ border-color:rgb(216, 255, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 83);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7435, 0.3776, 0.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 83) }
```

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

```
.background{ background-color: rgb(216,  
255, 83) }
```

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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