

Converting Colors

Yxy(86.4326, 0.3935, 0.5258)

Have a look what the booklet for
Yxy(86.4326, 0.3935, 0.5258)
contains.

Yxy(86.4254, 0.3935, 0.5258)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.4254, 0.3935, 0.5258)

Conversions

Conversions Part 1

Format	Color
Hex	DAFF00
RGB	218, 255, 0
RGB Percent	85%, 100%, 0%
CMY	0.1450, 0.0000, 1.0000
CMYK	0.14, 0.00, 1.00, 0.00
HSL	69°, 100%, 50%
HSV	69°, 100%, 100%
XYZ	64.6793, 86.4254, 13.2646
YIQ	214.8670, 59.8030, -87.1490

Conversions

Conversions Part 2

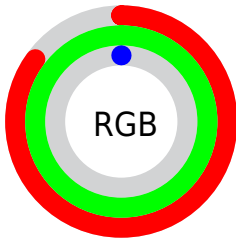
Format	Color
RYB	0, 255, 37
Decimal	14352128
CIELab	94.49, -36.48, 91.36
CIELCh	94, 98.374, 111.765
Yxy	86.4254, 0.3935, 0.5258
Android (android.graphics.Color)	4292542208 (0xFFDAFF00)
YUV	214.8670, -105.9294, 2.7476
Hunter-Lab	92.9653, -38.5002, 56.6160

Details

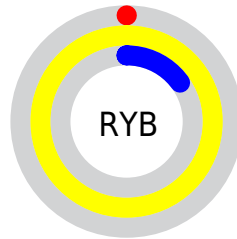
The Yxy color **86.4254, 0.3935, 0.5258** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.6127, 0.1548, 0.0627**, and the grayscale version is **68.5676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **47.6573, 0.3839, 0.5334** is the 20% darker color. If you saturate the color by 10%, you get **86.4299, 0.3935, 0.5258**, and if you desaturate by 10%, it is **87.0787, 0.3943, 0.5204**.

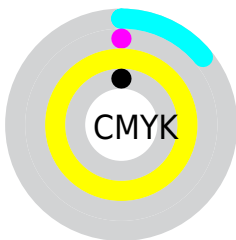
Distribution



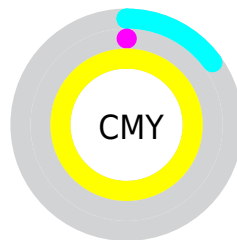
- Red (85%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (15%)



- Cyan (14%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4254, 0.3935, 0.5258 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 86.4254, 0.3935, 0.5258 by changing the saturation by 10% instead.

 86.4254, 0.3935,
0.5258

 86.4254, 0.3935,
0.5258


516.3329, 0.3681,
0.4408


 65.0198, 0.3957,
0.5420


 142.3630, 0.3876,
0.4987


 47.4771, 0.3965,
0.5601


 177.6637, 0.3844,
0.4873

 33.4130, 0.3949,
0.5799


 218.3650, 0.3814,
0.4773


 22.4430, 0.3911,
0.6040

 264.8512, 0.3784,
0.4684

 14.1828, 0.3769,
0.6231

 317.5067, 0.3756,
0.4603

 8.2479, 0.3541,
0.6459


 376.7159, 0.3729,


 4.2540, 0.3199,

0.4531

0.6801


442.8631, 0.3704,
0.4467


 1.8166, 0.2589,
0.7411


 0.4975, 0.0000,
1.0000


 86.4254, 0.3935,
0.5258

 86.4254, 0.3935,
0.5258


 86.4299, 0.3935,
0.5258


 87.0787, 0.3943,
0.5204


 87.8346, 0.3929,
0.5110


 88.7264, 0.3889,
0.4969

 89.7720, 0.3822,
0.4785

 90.9862, 0.3733,
0.4566

 92.3819, 0.3626,
0.4321

 93.9709, 0.3507,
0.4062

 95.7637, 0.3381,
0.3798

 97.7702, 0.3253,
0.3539

Harmonies

Analogous

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



86.4254, 0.4792, 0.4620



86.4254, 0.3935, 0.5258



86.4254, 0.2938, 0.5258

Triad

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



86.4254, 0.3935, 0.5258



86.4254, 0.1355, 0.2149



86.4254, 0.4142, 0.2494

Complementary

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



86.4254, 0.3935, 0.5258



7.6127, 0.1548, 0.0627

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.



86.4254, 0.2988, 0.2002



86.4254, 0.3935, 0.5258



86.4254, 0.1544, 0.1778

Square

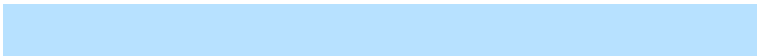
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4254, 0.3935, 0.5258



86.4254, 0.1501, 0.2991



86.4254, 0.2076, 0.1750



86.4254, 0.5053, 0.3140

Rectangle

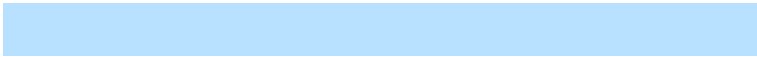
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4254, 0.3935, 0.5258



86.4254, 0.2312, 0.4683



86.4254, 0.2076, 0.1750



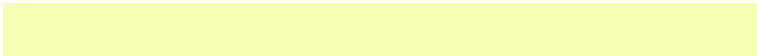
86.4254, 0.3754, 0.2308

Sweetspot

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



86.4299, 0.3935, 0.5258



93.9714, 0.3507, 0.4062



22.4039, 0.6303, 0.3377



19.9652, 0.3558, 0.4172



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.



86.4299, 0.3935, 0.5258



86.4304, 0.3935, 0.5258



73.8729, 0.3192, 0.5848



20.9495, 0.3247, 0.3526



45.2127, 0.3939, 0.5254



4.4371, 0.3970, 0.5230

Inverse Universe

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



7.6127, 0.1548, 0.0627



7.6127, 0.1548, 0.0627



14.8490, 0.2290, 0.1035



17.5040, 0.3001, 0.3046



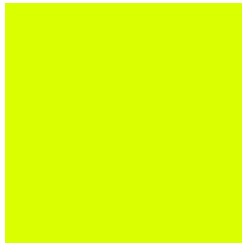
4.0156, 0.1557, 0.0631



0.4270, 0.1641, 0.0677

Previews

White Background



This preview shows how the Yxy color 86.4254, 0.3935, 0.5258 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 86.4254, 0.3935, 0.5258 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 86.4254, 0.3935, 0.5258

Background



This preview shows how black text looks on a background with the Yxy color 86.4254, 0.3935, 0.5258.

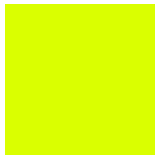


This preview shows how white text looks on a background with the Yxy color 86.4254, 0.3935, 0.5258.

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

86.4254, 0.3935, 0.5258



Protanopia

85.9333, 0.3673, 0.3973



Deuteranopia

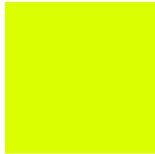
86.0044, 0.3412, 0.3530



Tritanopia

85.9655, 0.3025, 0.3111

Trichromacy



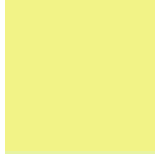
Original Color

86.4254, 0.3935, 0.5258



Protanomaly

85.2862, 0.3905, 0.4624



Deuteranomaly

84.7277, 0.3781, 0.4386



Tritanomaly

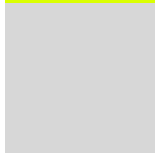
84.2989, 0.3542, 0.4157

Monochromacy



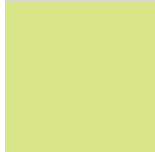
Original Color

86.4254, 0.3935, 0.5258



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.9987, 0.3624, 0.4328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4254, 0.3935, 0.5258 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(218, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 0)  
}
```

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(218, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 86.4254, 0.3935, 0.5258 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(218, 255, 0) }
```

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

```
.border{ border-color:rgb(218, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4254, 0.3935, 0.5258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 0) }
```

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

```
.background{ background-color: rgb(218,  
255, 0) }
```

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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