

Converting Colors

Yxy(86.3058, 0.3929, 0.5262)

Have a look what the booklet for
Yxy(86.3058, 0.3929, 0.5262)
contains.

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Color

Yxy(86.2717, 0.3928, 0.5263)

Conversions

Conversions Part 1

Format	Color
Hex	D9FF00
RGB	217, 255, 0
RGB Percent	85%, 100%, 0%
CMY	0.1488, 0.0000, 0.9995
CMYK	0.15, 0.00, 1.00, 0.00
HSL	69°, 100%, 50%
HSV	69°, 100%, 100%
XYZ	64.3882, 86.2717, 13.2612
YIQ	214.5680, 59.2070, -87.3610

Conversions

Conversions Part 2

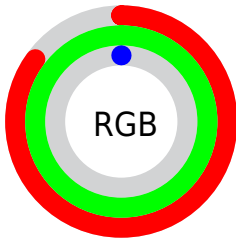
Format	Color
RYB	0, 255, 38
Decimal	14286592
CIELab	94.43, -36.85, 91.26
CIElCh	94, 98.417, 111.992
Yxy	86.2717, 0.3928, 0.5263
Android (android.graphics.Color)	4292476672 (0xFFD9FF00)
YUV	214.5680, -105.7820, 2.1329
Hunter-Lab	92.8826, -38.8044, 56.5527

Details

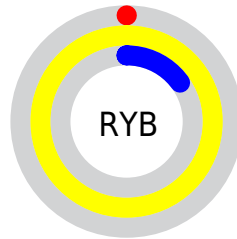
The Yxy color **86.2717, 0.3928, 0.5263** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.6359, 0.1551, 0.0628**, and the grayscale version is **68.3659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **47.5563, 0.3830, 0.5341** is the 20% darker color. If you saturate the color by 10%, you get **86.2722, 0.3928, 0.5263**, and if you desaturate by 10%, it is **86.9369, 0.3937, 0.5208**.

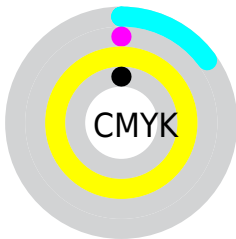
Distribution



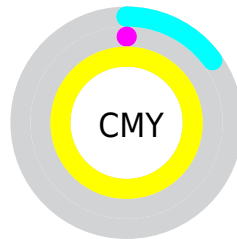
- Red (85%)
- Green (100%)
- Blue (0%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.2717, 0.3928, 0.5263 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 86.2717, 0.3928, 0.5263 by changing the saturation by 10% instead.


 86.2717, 0.3928,
0.5263

 86.2717, 0.3928,
0.5263


515.8267, 0.3677,
0.4409


 64.8927, 0.3949,
0.5426


 142.1486, 0.3870,
0.4990


 47.3741, 0.3957,
0.5608


 177.4152, 0.3839,
0.4877

 33.3315, 0.3940,
0.5807


 218.0798, 0.3808,
0.4776

 22.3805, 0.3900,
0.6051

 264.5269, 0.3779,
0.4686

 14.1367, 0.3755,
0.6245

 317.1407, 0.3751,
0.4606

 8.2158, 0.3525,
0.6475


 376.3056, 0.3725,


 4.2334, 0.3179,


0.4533


0.6821


442.4062, 0.3700,
0.4468


 1.8049, 0.2552,
0.7448


 0.4903, 0.0000,
1.0000


 86.2717, 0.3928,
0.5263

 86.2717, 0.3928,
0.5263


 86.2722, 0.3928,
0.5263


 86.9369, 0.3937,
0.5208


 87.7061, 0.3923,
0.5113


 88.6122, 0.3883,
0.4971

 89.6727, 0.3818,
0.4787

 90.9026, 0.3729,
0.4566

 92.3147, 0.3623,
0.4321

 93.9209, 0.3504,
0.4061

 95.7317, 0.3379,
0.3797

 97.7568, 0.3252,
0.3538

Harmonies

Analogous

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



86.2717, 0.4788, 0.4626



86.2717, 0.3928, 0.5263



86.2717, 0.2930, 0.5256

Triad

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



86.2717, 0.3928, 0.5263



86.2717, 0.1354, 0.2143



86.2717, 0.4151, 0.2498

Complementary

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



86.2717, 0.3928, 0.5263



7.6359, 0.1551, 0.0628

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.



86.2717, 0.2996, 0.2004



86.2717, 0.3928, 0.5263



86.2717, 0.1546, 0.1775

Square

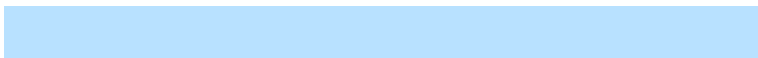
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2717, 0.3928, 0.5263



86.2717, 0.1497, 0.2982



86.2717, 0.2081, 0.1750



86.2717, 0.5059, 0.3145

Rectangle

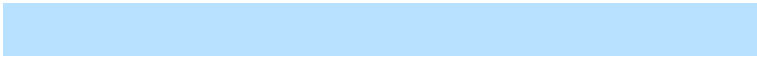
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.2717, 0.3928, 0.5263



86.2717, 0.2304, 0.4676



86.2717, 0.2081, 0.1750



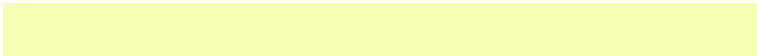
86.2717, 0.3764, 0.2311

Sweetspot

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



86.2756, 0.3928, 0.5263



93.9184, 0.3505, 0.4063



22.4095, 0.6302, 0.3378



19.9523, 0.3556, 0.4173



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.



86.2756, 0.3928, 0.5263



86.2782, 0.3928, 0.5263



73.8730, 0.3192, 0.5847



20.9457, 0.3246, 0.3526



45.1343, 0.3932, 0.5260



4.4302, 0.3964, 0.5235

Inverse Universe

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



7.6359, 0.1551, 0.0628



7.6313, 0.1550, 0.0628



14.8562, 0.2291, 0.1036



17.5075, 0.3002, 0.3046



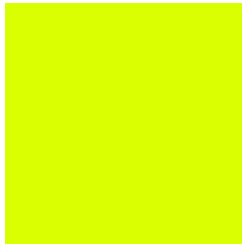
4.0261, 0.1559, 0.0633



0.4286, 0.1644, 0.0680

Previews

White Background



This preview shows how the Yxy color 86.2717, 0.3928, 0.5263 looks on a white background.

Color Contrast Check

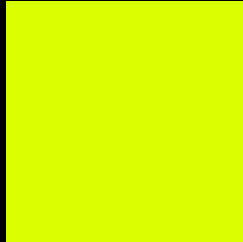
Large Text (above 18pt) WCAG AA × Fail

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 86.2717, 0.3928, 0.5263 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 86.2717, 0.3928, 0.5263

Background



This preview shows how black text looks on a background with the Yxy color 86.2717, 0.3928, 0.5263.



This preview shows how white text looks on a background with the Yxy color 86.2717, 0.3928, 0.5263.

Color Blindness Simulation

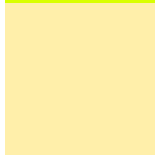
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



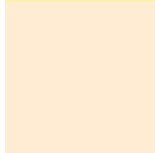
Original Color

86.2717, 0.3928, 0.5263



Protanopia

85.8953, 0.3680, 0.3982



Deuteranopia

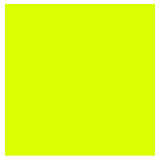
85.9541, 0.3418, 0.3540



Tritanopia

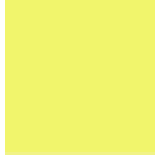
85.7929, 0.3018, 0.3110

Trichromacy



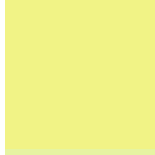
Original Color

86.2717, 0.3928, 0.5263



Protanomaly

85.0883, 0.3903, 0.4635



Deuteranomaly

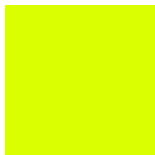
84.5232, 0.3779, 0.4398



Tritanomaly

84.1330, 0.3535, 0.4159

Monochromacy



Original Color

86.2717, 0.3928, 0.5263



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 86.2717, 0.3928, 0.5263 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(217, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 86.2717, 0.3928, 0.5263 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(217, 255, 0) }
```

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

```
.border{ border-color:rgb(217, 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(217, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2717, 0.3928, 0.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 0) }
```

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

```
.background{ background-color: rgb(217,  
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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