

Converting Colors

Yxy(82.1084, 0.3803, 0.5358)

Have a look what the booklet for
Yxy(82.1084, 0.3803, 0.5358)
contains.

Yxy(82.2629, 0.3805, 0.5356)	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(82.2629, 0.3805, 0.5356)

Conversions

Conversions Part 1

Format	Color
Hex	C6FD03
RGB	198, 253, 3
RGB Percent	78%, 99%, 1%
CMY	0.2233, 0.0079, 0.9878
CMYK	0.22, 0.00, 0.99, 0.01
HSL	73°, 98%, 50%
HSV	73°, 99%, 99%
XYZ	58.4411, 82.2629, 12.8862
YIQ	208.0550, 47.4700, -89.4100

Conversions

Conversions Part 2

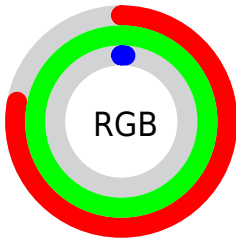
Format	Color
R _Y B	3, 253, 58
Decimal	13040899
CIE Lab	92.69, -43.32, 89.20
CIE LCh	93, 99.168, 115.905
Yxy	82.2629, 0.3805, 0.5356
Android (android.graphics.Color)	4291230979 (0xFFC6FD03)
YUV	208.0550, -101.0921, -8.8182
Hunter-Lab	90.6989, -43.7081, 55.0655

Details

The Yxy color **82.2629, 0.3805, 0.5356** 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 **8.0599, 0.1612, 0.0666**, and the grayscale version is **63.7761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **44.8831, 0.3678, 0.5462** is the 20% darker color. If you saturate the color by 10%, you get **82.1672, 0.3802, 0.5363**, and if you desaturate by 10%, it is **83.1157, 0.3824, 0.5286**.

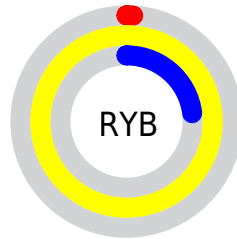
Distribution



Red (78%)

Green (99%)

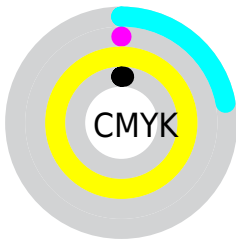
Blue (1%)



Red (1%)

Yellow (99%)

Blue (23%)

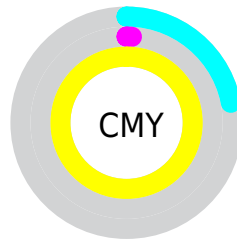


Cyan (22%)

Magenta (0%)

Yellow (99%)

Black (1%)



Cyan (22%)


Magenta (1%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2629, 0.3805, 0.5356 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 82.2629, 0.3805, 0.5356 by changing the saturation by 10% instead.


 82.2629, 0.3805,
0.5356


 82.2629, 0.3805,
0.5356


502.5267, 0.3609,
0.4437


 61.5823, 0.3813,
0.5537


 136.5426, 0.3766,
0.5057


 44.6952, 0.3805,
0.5743


 170.9105, 0.3742,
0.4934

 31.2174, 0.3767,
0.5972


 210.6095, 0.3718,
0.4826

 20.7645, 0.3703,
0.6262

 256.0242, 0.3694,
0.4729

 12.9520, 0.3511,
0.6489

 307.5388, 0.3671,
0.4644

 7.3955, 0.3220,
0.6780


 365.5379, 0.3649,


 3.7106, 0.2782,


0.4567


0.7218


430.4057, 0.3628,
0.4499


 1.5130, 0.1551,
0.8449


 0.2979, 0.0000,
1.0000


 82.2629, 0.3805,
0.5356


 82.2629, 0.3805,
0.5356


 82.1672, 0.3802,
0.5363

 83.1157, 0.3824,
0.5286


 84.0917, 0.3820,
0.5171

 85.2192, 0.3790,
0.5008

 86.5154, 0.3734,
0.4804

 87.9949, 0.3656,
0.4567

 89.6703, 0.3561,
0.4308

 91.5532, 0.3454,
0.4039

 93.6540, 0.3341,
0.3770

 95.9826, 0.3227,
0.3508

Harmonies

Analogous

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



82.2629, 0.4715, 0.4742



82.2629, 0.3805, 0.5356



82.2629, 0.2788, 0.5230

Triad

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



82.2629, 0.3805, 0.5356



82.2629, 0.1331, 0.2045



82.2629, 0.4323, 0.2560

Complementary

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



82.2629, 0.3805, 0.5356



8.0599, 0.1612, 0.0666

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.



82.2629, 0.3138, 0.2034



82.2629, 0.3805, 0.5356



82.2629, 0.1568, 0.1727

Square

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



82.2629, 0.3805, 0.5356



82.2629, 0.1426, 0.2828



82.2629, 0.2159, 0.1742



82.2629, 0.5175, 0.3228

Rectangle

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



82.2629, 0.3805, 0.5356



82.2629, 0.2171, 0.4552



82.2629, 0.2159, 0.1742



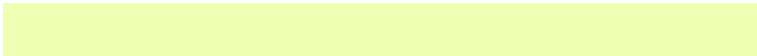
82.2629, 0.3934, 0.2364

Sweetspot

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



82.2666, 0.3805, 0.5356



92.9628, 0.3468, 0.4072



23.8392, 0.6148, 0.3490



19.7216, 0.3514, 0.4186



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.



82.2666, 0.3805, 0.5356



83.6531, 0.3802, 0.5363



71.7059, 0.3122, 0.5897



20.8775, 0.3235, 0.3527



43.7792, 0.3808, 0.5358



4.3100, 0.3854, 0.5322

Inverse Universe

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



8.0599, 0.1612, 0.0666



8.0627, 0.1602, 0.0656



17.1274, 0.2498, 0.1153



17.5703, 0.3013, 0.3047



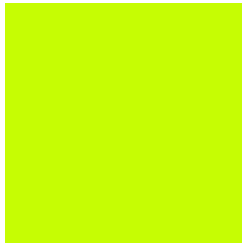
4.2659, 0.1614, 0.0663



0.4608, 0.1717, 0.0719

Previews

White Background



This preview shows how the Yxy color 82.2629, 0.3805, 0.5356 looks on a white background.

Color Contrast Check

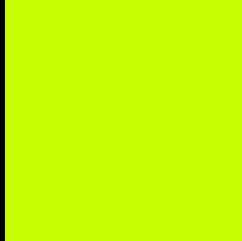
Large Text (above 18pt) WCAG AA × Fail

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 82.2629, 0.3805, 0.5356 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 82.2629, 0.3805, 0.5356

Background



This preview shows how black text looks on a background with the Yxy color 82.2629, 0.3805, 0.5356.

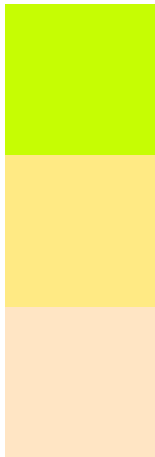


This preview shows how white text looks on a background with the Yxy color 82.2629, 0.3805, 0.5356.

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

82.2629, 0.3805, 0.5356

Protanopia

81.7716, 0.3933, 0.4298

Deuteranopia

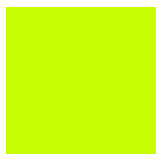
81.2841, 0.3533, 0.3625



Tritanopia

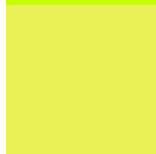
81.7881, 0.2917, 0.3093

Trichromacy



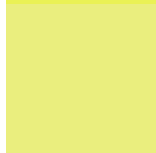
Original Color

82.2629, 0.3805, 0.5356



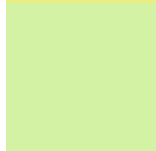
Protanomaly

81.0589, 0.3971, 0.4802



Deuteranomaly

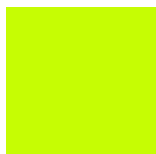
80.1479, 0.3792, 0.4452



Tritanomaly

80.1457, 0.3406, 0.4167

Monochromacy



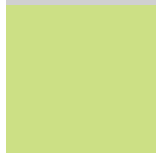
Original Color

82.2629, 0.3805, 0.5356



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.8421, 0.3577, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2629, 0.3805, 0.5356 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(198, 253, 3)` looks like.

```
.text, #text, p{  
    color:rgb(198, 253, 3)  
}
```

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(198, 253, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 253, 3) }
```

Border

The CSS property to change the border of an element to Yxy 82.2629, 0.3805, 0.5356 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(198, 253, 3) }
```

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

```
.border{ border-color:rgb(198, 253, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 253, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 253, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 253, 3);  
box-shadow:4px 4px 4px 4px rgb(198, 253,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2629, 0.3805, 0.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 253, 3) }
```

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

```
.background{ background-color: rgb(198,  
253, 3) }
```

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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