

Converting Colors

$Yxy(82.9670, 0.3756, 0.5389)$

Have a look what the booklet for
Yxy(82.9670, 0.3756, 0.5389)
contains.

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Color

Yxy(82.8728, 0.3757, 0.5388)

Conversions

Conversions Part 1

Format	Color
Hex	C1FF07
RGB	193, 255, 7
RGB Percent	76%, 100%, 3%
CMY	0.2432, 0.0000, 0.9725
CMYK	0.24, 0.00, 0.97, 0.00
HSL	75°, 100%, 51%
HSV	75°, 97%, 100%
XYZ	57.7864, 82.8728, 13.1508
YIQ	208.1900, 42.6560, -90.2720

Conversions

Conversions Part 2

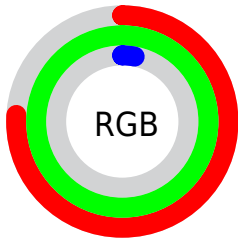
Format	Color
RYB	7, 255, 69
Decimal	12713735
CIELab	92.96, -46.07, 89.00
CIElCh	93, 100.217, 117.370
Yxy	82.8728, 0.3757, 0.5388
Android (android.graphics.Color)	4290903815 (0xFFC1FF07)
YUV	208.1900, -99.1867, -13.3216
Hunter-Lab	91.0345, -46.0031, 55.1592

Details

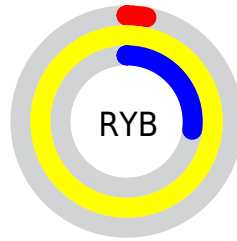
The Yxy color **82.8728, 0.3757, 0.5388** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **8.6390, 0.1654, 0.0694**, and the grayscale version is **63.8387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4354, 0.3995, 0.4740**, and **45.3747, 0.3623, 0.5505** is the 20% darker color. If you saturate the color by 10%, you get **82.6252, 0.3749, 0.5405**, and if you desaturate by 10%, it is **83.8179, 0.3779, 0.5307**.

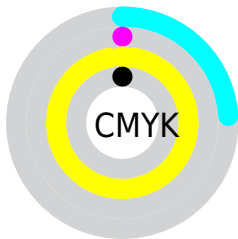
Distribution



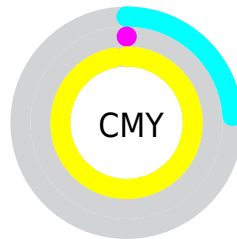
- Red (76%)
- Green (100%)
- Blue (3%)



- Red (3%)
- Yellow (100%)
- Blue (27%)



- Cyan (24%)
- Magenta (0%)
- Yellow (97%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8728, 0.3757, 0.5388 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 82.8728, 0.3757, 0.5388 by changing the saturation by 10% instead.


 82.8728, 0.3757,
0.5388


 82.8728, 0.3757,
0.5388

504.5625, 0.3583,
0.4449

 62.0852, 0.3761,
0.5575

 137.3973, 0.3725,
0.5081

 45.1016, 0.3747,
0.5787


 171.9030, 0.3705,
0.4956

 31.5374, 0.3702,
0.6026

 211.7502, 0.3683,
0.4845

 21.0084, 0.3627,
0.6325

 257.3233, 0.3662,
0.4747

 13.1302, 0.3428,
0.6572

 309.0067, 0.3641,
0.4660

 7.5182, 0.3122,
0.6878


 367.1847, 0.3620,


 3.7883, 0.2664,


0.4582

0.7336


432.2419, 0.3601,
0.4512


 1.5558, 0.1331,
0.8669


 0.3275, 0.0000,
1.0000


 82.8728, 0.3757,
0.5388


 82.8728, 0.3757,
0.5388


 82.6252, 0.3749,
0.5405

 83.8179, 0.3779,
0.5307

 84.9093, 0.3776,
0.5179


 86.1660, 0.3747,
0.5004


 87.6053, 0.3693,
0.4787

 89.2418, 0.3617,
0.4540

 91.0882, 0.3526,
0.4274

 93.1564, 0.3423,
0.4001

 95.4570, 0.3315,
0.3731

 98.0000, 0.3206,
0.3470

Harmonies

Analogous

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



82.8728, 0.4683, 0.4786



82.8728, 0.3757, 0.5388



82.8728, 0.2735, 0.5213

Triad

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



82.8728, 0.3757, 0.5388



82.8728, 0.1324, 0.2011



82.8728, 0.4388, 0.2585

Complementary

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



82.8728, 0.3757, 0.5388



8.6390, 0.1654, 0.0694

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.



82.8728, 0.3194, 0.2047



82.8728, 0.3757, 0.5388



82.8728, 0.1579, 0.1711

Square

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



82.8728, 0.3757, 0.5388



82.8728, 0.1402, 0.2771



82.8728, 0.2191, 0.1741



82.8728, 0.5214, 0.3260

Rectangle

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



82.8728, 0.3757, 0.5388



82.8728, 0.2123, 0.4500



82.8728, 0.2191, 0.1741



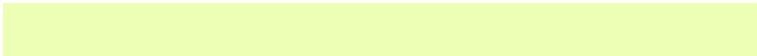
82.8728, 0.3999, 0.2385

Sweetspot

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



82.8698, 0.3757, 0.5388



92.7776, 0.3442, 0.4049



25.5332, 0.6047, 0.3557



19.6671, 0.3486, 0.4166



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.



82.8698, 0.3757, 0.5388



82.6252, 0.3749, 0.5405



72.8011, 0.3103, 0.5905



20.8486, 0.3230, 0.3528



43.2476, 0.3756, 0.5400



4.2623, 0.3808, 0.5358

Inverse Universe

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



8.6390, 0.1654, 0.0694



8.3026, 0.1630, 0.0672



18.7104, 0.2589, 0.1208



17.5972, 0.3018, 0.3047



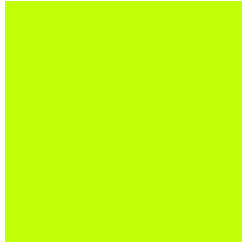
4.3969, 0.1643, 0.0679



0.4770, 0.1753, 0.0739

Previews

White Background



This preview shows how the Yxy color 82.8728, 0.3757, 0.5388 looks on a white background.

Color Contrast Check

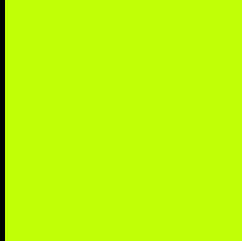
Large Text (above 18pt) WCAG AA × Fail

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 82.8728, 0.3757, 0.5388 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 82.8728, 0.3757, 0.5388

Background



This preview shows how black text looks on a background with the Yxy color 82.8728, 0.3757, 0.5388.

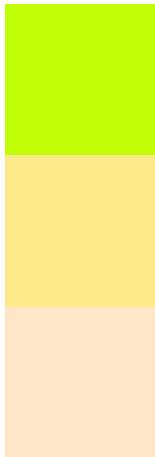


This preview shows how white text looks on a background with the Yxy color 82.8728, 0.3757, 0.5388.

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

82.8728, 0.3757, 0.5388

Protanopia

81.9406, 0.3897, 0.4244

Deuteranopia

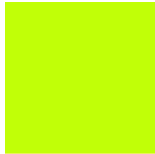
81.9308, 0.3517, 0.3614



Tritanopia

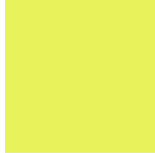
82.3873, 0.2887, 0.3103

Trichromacy



Original Color

82.8728, 0.3757, 0.5388



Protanomaly

81.3983, 0.3931, 0.4784



Deuteranomaly

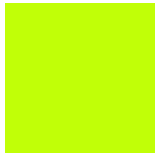
80.4738, 0.3757, 0.4439



Tritanomaly

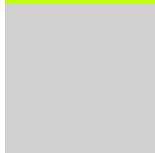
80.8279, 0.3363, 0.4172

Monochromacy



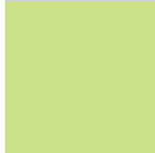
Original Color

82.8728, 0.3757, 0.5388



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

68.2962, 0.3554, 0.4340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8728, 0.3757, 0.5388 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(193, 255, 7)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 7)  
}
```

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(193, 255, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 7) }
```

Border

The CSS property to change the border of an element to Yxy 82.8728, 0.3757, 0.5388 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(193, 255, 7) }
```

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

```
.border{ border-color:rgb(193, 255, 7) }
```

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

Here you see how a box with a 4 pixel rgb(193, 255, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 7);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8728, 0.3757, 0.5388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 7) }
```

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

```
.background{ background-color: rgb(193,  
255, 7) }
```

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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