

Converting Colors

$Yxy(82.0078, 0.3694, 0.5396)$

Have a look what the booklet for
Yxy(82.0078, 0.3694, 0.5396)
contains.

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Color

Yxy(82.0337, 0.3695, 0.5394)

Conversions

Conversions Part 1

Format	Color
Hex	BAFF1A
RGB	186, 255, 26
RGB Percent	73%, 100%, 10%
CMY	0.2706, 0.0000, 0.8976
CMYK	0.27, 0.00, 0.90, 0.00
HSL	78°, 100%, 55%
HSV	78°, 90%, 100%
XYZ	56.1948, 82.0337, 13.8548
YIQ	208.2630, 32.3850, -85.8470

Conversions

Conversions Part 2

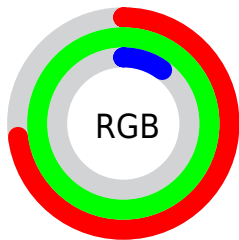
Format	Color
R _Y B	26, 255, 95
Decimal	12255002
CIE Lab	92.59, -48.41, 86.63
CIE LCh	93, 99.236, 119.196
Yxy	82.0337, 0.3695, 0.5394
Android (android.graphics.Color)	4290445082 (0xFFBAFF1A)
YUV	208.2630, -89.8557, -19.5247
Hunter-Lab	90.5725, -47.7533, 54.3312

Details

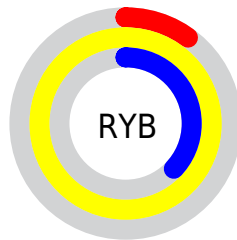
The Yxy color **82.0337, 0.3695, 0.5394** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed chartreuse. A complement of this color would be **10.4029, 0.1796, 0.0807**, and the grayscale version is **63.8407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2337, 0.3926, 0.4735**, and **44.8238, 0.3566, 0.5551** is the 20% darker color. If you saturate the color by 10%, you get **81.0217, 0.3661, 0.5474**, and if you desaturate by 10%, it is **83.1909, 0.3707, 0.5269**.

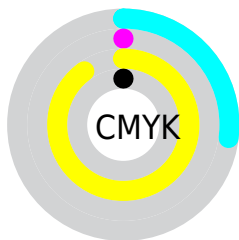
Distribution



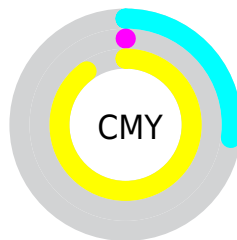
- Red (73%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (37%)



- Cyan (27%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.0337, 0.3695, 0.5394 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 82.0337, 0.3695, 0.5394 by changing the saturation by 10% instead.

 82.0337, 0.3695,
0.5394

 82.0337, 0.3695,
0.5394


501.7604, 0.3544,
0.4440


 61.3933, 0.3695,
0.5588


 136.2213, 0.3670,
0.5079


 44.5427, 0.3677,
0.5810

 170.5372, 0.3652,
0.4951


 31.0974, 0.3628,
0.6062


 210.1805, 0.3633,
0.4839

 20.6730, 0.3542,
0.6371

 255.5355, 0.3614,
0.4740

 12.8852, 0.3342,
0.6658

 306.9866, 0.3596,
0.4652

 7.3495, 0.3017,
0.6983


364.9182, 0.3578,


 3.6816, 0.2530,


0.4574


0.7470


429.7146, 0.3561,
0.4504


 1.4971, 0.0872,
0.9128


 0.2867, 0.0000,
1.0000


 82.0337, 0.3695,
0.5394


 82.0337, 0.3695,
0.5394

 81.0217, 0.3661,
0.5474


 83.1909, 0.3707,
0.5269

 80.9986, 0.3660,
0.5476

 84.5254, 0.3693,
0.5094


 86.0544, 0.3654,
0.4876

 87.7934, 0.3593,
0.4625

 89.7561, 0.3515,
0.4355

 91.9546, 0.3424,
0.4077

 94.4003, 0.3326,
0.3801

 97.1035, 0.3225,
0.3535

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.



82.0337, 0.4628, 0.4826



82.0337, 0.3695, 0.5394



82.0337, 0.2679, 0.5152

Triad

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



82.0337, 0.3695, 0.5394



82.0337, 0.1339, 0.1988



82.0337, 0.4447, 0.2628

Complementary

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



82.0337, 0.3695, 0.5394



10.4029, 0.1796, 0.0807

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.



82.0337, 0.3265, 0.2080



82.0337, 0.3695, 0.5394



82.0337, 0.1613, 0.1712

Square

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



82.0337, 0.3695, 0.5394



82.0337, 0.1396, 0.2714



82.0337, 0.2246, 0.1759



82.0337, 0.5228, 0.3305

Rectangle

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



82.0337, 0.3695, 0.5394



82.0337, 0.2081, 0.4411



82.0337, 0.2246, 0.1759



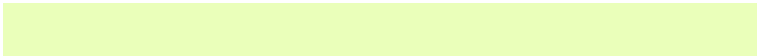
82.0337, 0.4066, 0.2425

Sweetspot

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



82.0326, 0.3695, 0.5394



92.6048, 0.3397, 0.4000



29.4791, 0.5741, 0.3720



19.6498, 0.3430, 0.4095



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.



82.0326, 0.3695, 0.5394



80.9986, 0.3660, 0.5476



72.9684, 0.3099, 0.5856



20.7998, 0.3222, 0.3528



42.4052, 0.3669, 0.5469



4.1859, 0.3730, 0.5420

Inverse Universe

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



10.4029, 0.1796, 0.0807



8.7930, 0.1687, 0.0703



21.5512, 0.2752, 0.1324



17.6432, 0.3026, 0.3048



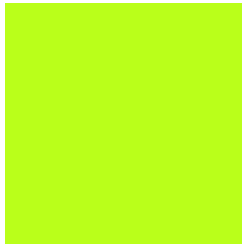
4.6621, 0.1702, 0.0711



0.5080, 0.1819, 0.0776

Previews

White Background



This preview shows how the Yxy color 82.0337, 0.3695, 0.5394 looks on a white background.

Color Contrast Check

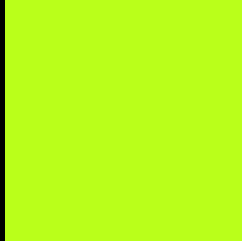
Large Text (above 18pt) WCAG AA × Fail

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 82.0337, 0.3695, 0.5394 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 82.0337, 0.3695, 0.5394

Background



This preview shows how black text looks on a background with the Yxy color 82.0337, 0.3695, 0.5394.

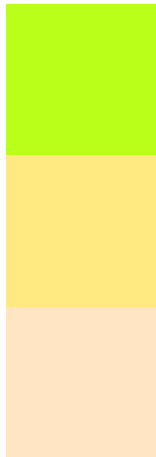


This preview shows how white text looks on a background with the Yxy color 82.0337, 0.3695, 0.5394.

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

82.0337, 0.3695, 0.5394

Protanopia

81.0963, 0.3961, 0.4324

Deuteranopia

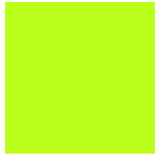
81.2388, 0.3540, 0.3635



Tritanopia

81.6373, 0.2857, 0.3101

Trichromacy



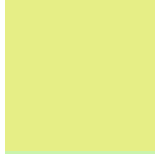
Original Color

82.0337, 0.3695, 0.5394



Protanomaly

80.4889, 0.3917, 0.4779



Deuteranomaly

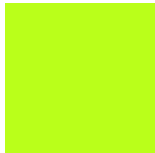
79.6933, 0.3718, 0.4389



Tritanomaly

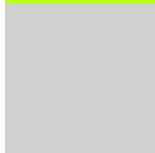
80.2365, 0.3281, 0.4104

Monochromacy



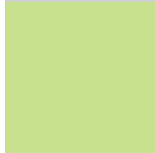
Original Color

82.0337, 0.3695, 0.5394



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

68.0828, 0.3487, 0.4268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0337, 0.3695, 0.5394 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(186, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 26)  
}
```

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(186, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 26) }
```

Border

The CSS property to change the border of an element to Yxy 82.0337, 0.3695, 0.5394 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(186, 255, 26) }
```

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

```
.border{ border-color:rgb(186, 255, 26) }
```

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

Here you see how a box with a 4 pixel rgb(186, 255, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0337, 0.3695, 0.5394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 26) }
```

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

```
.background{ background-color: rgb(186,  
255, 26) }
```

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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