

Converting Colors

$Y_{xy}(82.5112, 0.3673, 0.5297)$

Have a look what the booklet for
Yxy(82.5112, 0.3673, 0.5297)
contains.

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Color

Yxy(82.4504, 0.3670, 0.5299)

Conversions

Conversions Part 1

Format	Color
Hex	BCFF33
RGB	188, 255, 51
RGB Percent	74%, 100%, 20%
CMY	0.2626, 0.0000, 0.7998
CMYK	0.26, 0.00, 0.80, 0.00
HSL	80°, 100%, 60%
HSV	80°, 80%, 100%
XYZ	57.1038, 82.4504, 16.0420
YIQ	211.7110, 25.5520, -77.6480

Conversions

Conversions Part 2

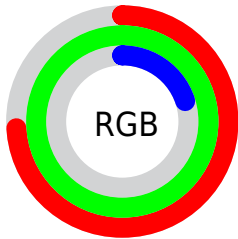
Format	Color
RYB	51, 255, 118
Decimal	12386099
CIELab	92.77, -46.95, 81.91
CIElCh	93, 94.409, 119.820
Yxy	82.4504, 0.3670, 0.5299
Android (android.graphics.Color)	4290576179 (0xFFBCFF33)
YUV	211.7110, -79.2305, -20.7945
Hunter-Lab	90.8022, -46.6486, 53.0868

Details

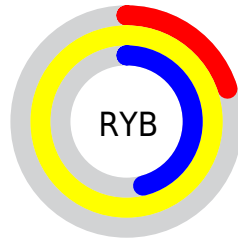
The Yxy color **82.4504, 0.3670, 0.5299** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **13.4451, 0.1965, 0.0989**, and the grayscale version is **66.1702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7143, 0.3872, 0.4629**, and **45.0553, 0.3590, 0.5531** is the 20% darker color. If you saturate the color by 10%, you get **81.2542, 0.3653, 0.5428**, and if you desaturate by 10%, it is **83.8388, 0.3661, 0.5120**.

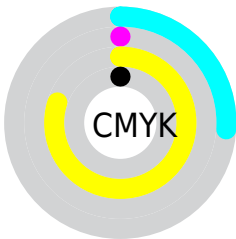
Distribution



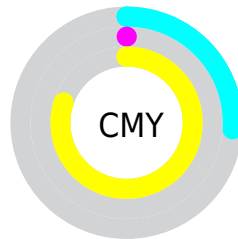
- Red (74%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (46%)



- Cyan (26%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4504, 0.3670, 0.5299 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 82.4504, 0.3670, 0.5299 by changing the saturation by 10% instead.


 82.4504, 0.3670,
0.5299

 82.4504, 0.3670,
0.5299


503.1530, 0.3516,
0.4381


 61.7369, 0.3675,
0.5489


 136.8054, 0.3641,
0.4993

 44.8201, 0.3665,
0.5710


 171.2157, 0.3622,
0.4870


 31.3158, 0.3628,
0.5966


 210.9604, 0.3603,
0.4762

 20.8394, 0.3548,
0.6261

 256.4238, 0.3584,
0.4667

 13.0067, 0.3395,
0.6605

 307.9904, 0.3566,
0.4583

 7.4331, 0.3081,
0.6919

366.0445, 0.3549,

 3.7344, 0.2611,

0.4508

0.7389

430.9706, 0.3532,
0.4441

■ 1.5261, 0.1148,
0.8852

■ 0.3070, 0.0000,
1.0000

■ 82.4504, 0.3670,
0.5299

■ 82.4504, 0.3670,
0.5299

■ 81.2542, 0.3653,
0.5428

■ 83.8388, 0.3661,
0.5120


■ 80.2094, 0.3615,
0.5511


■ 85.4271, 0.3627,
0.4897

■ 80.2072, 0.3615,
0.5511

■ 87.2346, 0.3571,
0.4642

■ 89.2753, 0.3498,
0.4368

 91.5616, 0.3412,
0.4086

 94.1051, 0.3319,
0.3808

 96.9163, 0.3223,
0.3541

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



82.4504, 0.4566, 0.4795



82.4504, 0.3670, 0.5299



82.4504, 0.2692, 0.5027

Triad

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



82.4504, 0.3670, 0.5299



82.4504, 0.1406, 0.2037



82.4504, 0.4404, 0.2672

Complementary

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



82.4504, 0.3670, 0.5299



13.4451, 0.1965, 0.0989

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.



82.4504, 0.3286, 0.2137



82.4504, 0.3670, 0.5299



82.4504, 0.1679, 0.1770

Square

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



82.4504, 0.3670, 0.5299



82.4504, 0.1459, 0.2730



82.4504, 0.2303, 0.1820



82.4504, 0.5137, 0.3334

Rectangle

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



82.4504, 0.3670, 0.5299



82.4504, 0.2118, 0.4323



82.4504, 0.2303, 0.1820



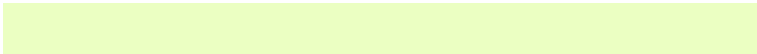
82.4504, 0.4046, 0.2475

Sweetspot

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



82.4541, 0.3670, 0.5299



93.0521, 0.3357, 0.3919



33.9063, 0.5392, 0.3805



19.7246, 0.3390, 0.4018



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.



82.4541, 0.3670, 0.5299



80.6126, 0.3632, 0.5482



73.8548, 0.3121, 0.5701



20.7744, 0.3218, 0.3528



41.9952, 0.3625, 0.5504



4.1483, 0.3690, 0.5452

Inverse Universe

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



13.4451, 0.1965, 0.0989



9.6442, 0.1761, 0.0757



24.4374, 0.2838, 0.1444



17.6673, 0.3030, 0.3048



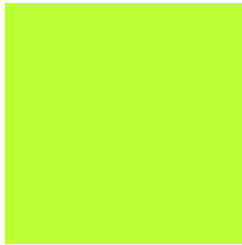
4.8227, 0.1736, 0.0730



0.5260, 0.1857, 0.0797

Previews

White Background



This preview shows how the Yxy color 82.4504, 0.3670, 0.5299 looks on a white background.

Color Contrast Check

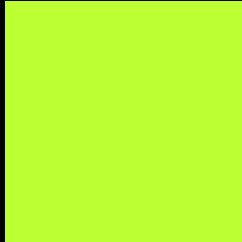
Large Text (above 18pt) WCAG AA × Fail

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 82.4504, 0.3670, 0.5299 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

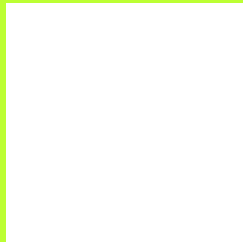
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.4504, 0.3670, 0.5299

Background



This preview shows how black text looks on a background with the Yxy color 82.4504, 0.3670, 0.5299.

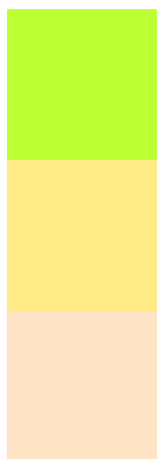


This preview shows how white text looks on a background with the Yxy color 82.4504, 0.3670, 0.5299.

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

82.4504, 0.3670, 0.5299

Protanopia

81.7991, 0.3927, 0.4289

Deuteranopia

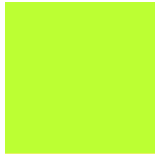
81.3298, 0.3526, 0.3615



Tritanopia

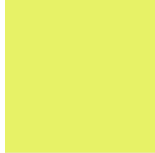
81.7854, 0.2863, 0.3102

Trichromacy



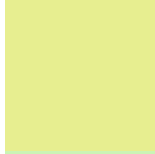
Original Color

82.4504, 0.3670, 0.5299



Protanomaly

81.4725, 0.3867, 0.4692



Deuteranomaly

80.1516, 0.3667, 0.4287



Tritanomaly

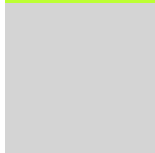
80.7341, 0.3235, 0.3999

Monochromacy



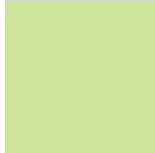
Original Color

82.4504, 0.3670, 0.5299



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.4832, 0.3433, 0.4164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4504, 0.3670, 0.5299 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(188, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 51)  
}
```

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(188, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 82.4504, 0.3670, 0.5299 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(188, 255, 51) }
```

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

```
.border{ border-color:rgb(188, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(188, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4504, 0.3670, 0.5299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 51) }
```

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

```
.background{ background-color: rgb(188,  
255, 51) }
```

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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