

Converting Colors

$Y_{xy}(82.7196, 0.3686, 0.5287)$

Have a look what the booklet for
Yxy(82.7196, 0.3686, 0.5287)
contains.

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Color

Yxy(82.7062, 0.3683, 0.5289)

Conversions

Conversions Part 1

Format	Color
Hex	BEFF33
RGB	190, 255, 51
RGB Percent	75%, 100%, 20%
CMY	0.2550, 0.0000, 0.7995
CMYK	0.25, 0.00, 0.80, 0.00
HSL	79°, 100%, 60%
HSV	79°, 80%, 100%
XYZ	57.5925, 82.7062, 16.0752
YIQ	212.3090, 26.7440, -77.2240

Conversions

Conversions Part 2

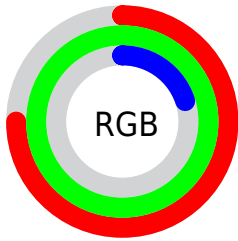
Format	Color
RYB	51, 255, 116
Decimal	12517171
CIELab	92.89, -46.23, 82.03
CIELCh	93, 94.160, 119.406
Yxy	82.7062, 0.3683, 0.5289
Android (android.graphics.Color)	4290707251 (0xFFBEFF33)
YUV	212.3090, -79.5253, -19.5650
Hunter-Lab	90.9429, -46.1093, 53.1799

Details

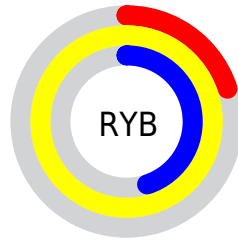
The Yxy color **82.7062, 0.3683, 0.5289** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **13.3232, 0.1952, 0.0983**, and the grayscale version is **66.5887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0818, 0.3886, 0.4621**, and **45.2135, 0.3607, 0.5518** is the 20% darker color. If you saturate the color by 10%, you get **81.5203, 0.3668, 0.5417**, and if you desaturate by 10%, it is **84.0726, 0.3673, 0.5111**.

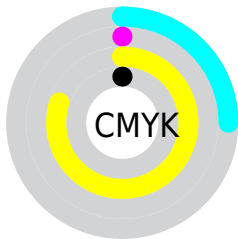
Distribution



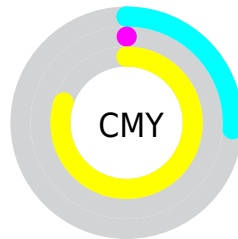
- Red (75%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (45%)



- Cyan (25%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7062, 0.3683, 0.5289 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 82.7062, 0.3683, 0.5289 by changing the saturation by 10% instead.


 82.7062, 0.3683,
0.5289


 82.7062, 0.3683,
0.5289

504.0068, 0.3523,
0.4378


 61.9478, 0.3689,
0.5478

 137.1639, 0.3651,
0.4986


 44.9905, 0.3681,
0.5696


 171.6320, 0.3632,
0.4863


 31.4500, 0.3647,
0.5948


 211.4388, 0.3612,
0.4756

 20.9417, 0.3569,
0.6240

 256.9686, 0.3593,
0.4662

 13.0814, 0.3421,
0.6579

 308.6060, 0.3574,
0.4578

 7.4846, 0.3113,
0.6887

366.7352, 0.3556,

 3.7670, 0.2652,

0.4504

0.7348

431.7407, 0.3539,
0.4438

■ 1.5441, 0.1283,
0.8717

■ 0.3195, 0.0000,
1.0000

■ 82.7062, 0.3683,
0.5289

■ 82.7062, 0.3683,
0.5289

■ 81.5203, 0.3668,
0.5417

■ 84.0726, 0.3673,
0.5111

■ 80.4870, 0.3631,
0.5499

■ 85.6397, 0.3637,
0.4891

■ 80.4817, 0.3631,
0.5499

■ 87.4228, 0.3579,
0.4637

■ 89.4355, 0.3504,
0.4365

■ 91.6903, 0.3416,
0.4084

■ 94.1986, 0.3322,
0.3807

■ 96.9710, 0.3224,
0.3540

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.



82.7062, 0.4573, 0.4782



82.7062, 0.3683, 0.5289



82.7062, 0.2707, 0.5030

Triad

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



82.7062, 0.3683, 0.5289



82.7062, 0.1409, 0.2048



82.7062, 0.4386, 0.2666

Complementary

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



82.7062, 0.3683, 0.5289



13.3232, 0.1952, 0.0983

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.



82.7062, 0.3271, 0.2134



82.7062, 0.3683, 0.5289



82.7062, 0.1678, 0.1776

Square

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



82.7062, 0.3683, 0.5289



82.7062, 0.1467, 0.2746



82.7062, 0.2295, 0.1821



82.7062, 0.5124, 0.3325

Rectangle

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



82.7062, 0.3683, 0.5289



82.7062, 0.2132, 0.4336



82.7062, 0.2295, 0.1821



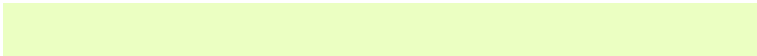
82.7062, 0.4027, 0.2469

Sweetspot

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



82.7056, 0.3683, 0.5289



93.1505, 0.3361, 0.3918



33.9207, 0.5391, 0.3806



19.7484, 0.3394, 0.4017



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.



82.7056, 0.3683, 0.5289



80.8813, 0.3647, 0.5470



73.8601, 0.3121, 0.5701



20.7833, 0.3220, 0.3528



42.1370, 0.3640, 0.5492



4.1614, 0.3704, 0.5441

Inverse Universe

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



13.3232, 0.1952, 0.0983



9.5293, 0.1749, 0.0750



24.4475, 0.2838, 0.1444



17.6588, 0.3029, 0.3048



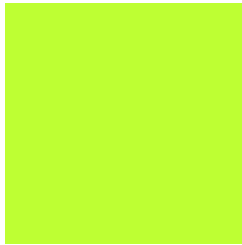
4.7644, 0.1724, 0.0723



0.5195, 0.1844, 0.0789

Previews

White Background



This preview shows how the Yxy color 82.7062, 0.3683, 0.5289 looks on a white background.

Color Contrast Check

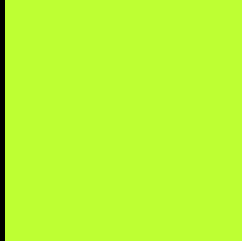
Large Text (above 18pt) WCAG AA × Fail

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 82.7062, 0.3683, 0.5289 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 82.7062, 0.3683, 0.5289

Background



This preview shows how black text looks on a background with the Yxy color 82.7062, 0.3683, 0.5289.

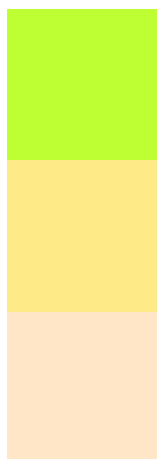


This preview shows how white text looks on a background with the Yxy color 82.7062, 0.3683, 0.5289.

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

82.7062, 0.3683, 0.5289

Protanopia

81.8832, 0.3909, 0.4262

Deuteranopia

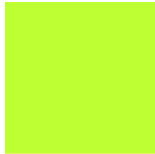
81.9308, 0.3517, 0.3614



Tritanopia

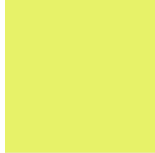
82.0845, 0.2875, 0.3102

Trichromacy



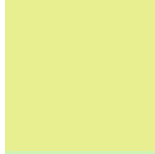
Original Color

82.7062, 0.3683, 0.5289



Protanomaly

81.5131, 0.3858, 0.4676



Deuteranomaly

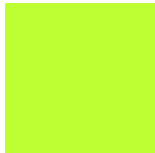
80.7663, 0.3658, 0.4286



Tritanomaly

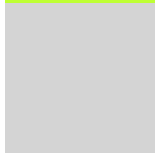
81.0167, 0.3248, 0.3996

Monochromacy



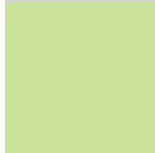
Original Color

82.7062, 0.3683, 0.5289



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.6573, 0.3435, 0.4150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7062, 0.3683, 0.5289 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(190, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 82.7062, 0.3683, 0.5289 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(190, 255, 51) }
```

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

```
.border{ border-color:rgb(190, 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(190, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7062, 0.3683, 0.5289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 51) }
```

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

```
.background{ background-color: rgb(190,  
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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