

Converting Colors

Yxy(84.2461, 0.3669, 0.5086)

Have a look what the booklet for
Yxy(84.2461, 0.3669, 0.5086)
contains.

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Color

Yxy(84.2413, 0.3668, 0.5086)

Conversions

Conversions Part 1

Format	Color
Hex	C7FF50
RGB	199, 255, 80
RGB Percent	78%, 100%, 31%
CMY	0.2197, 0.0000, 0.6864
CMYK	0.22, 0.00, 0.69, 0.00
HSL	79°, 100%, 66%
HSV	79°, 69%, 100%
XYZ	60.7544, 84.2413, 20.6380
YIQ	218.3060, 22.7990, -66.2970

Conversions

Conversions Part 2

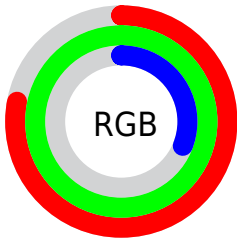
Format	Color
RYB	80, 255, 136
Decimal	13107024
CIELab	93.56, -41.51, 74.00
CIELCh	94, 84.851, 119.291
Yxy	84.2413, 0.3668, 0.5086
Android (android.graphics.Color)	4291297104 (0xFFC7FF50)
YUV	218.3060, -68.1849, -16.9314
Hunter-Lab	91.7831, -42.4649, 50.9164

Details

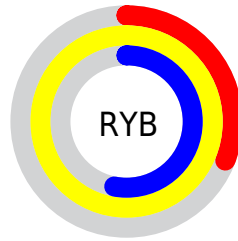
The Yxy color **84.2413, 0.3668, 0.5086** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **18.1839, 0.2132, 0.1248**, and the grayscale version is **70.7917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6150, 0.3809, 0.4417**, and **46.0509, 0.3691, 0.5451** is the 20% darker color. If you saturate the color by 10%, you get **82.8425, 0.3682, 0.5270**, and if you desaturate by 10%, it is **85.8342, 0.3630, 0.4860**.

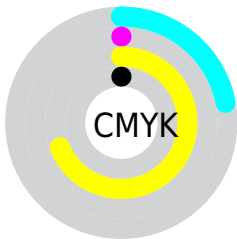
Distribution



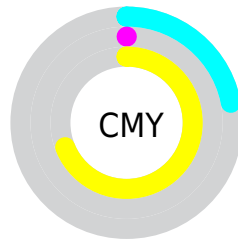
- Red (78%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (53%)



- Cyan (22%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2413, 0.3668, 0.5086 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 84.2413, 0.3668, 0.5086 by changing the saturation by 10% instead.


 84.2413, 0.3668,
0.5086


 84.2413, 0.3668,
0.5086


509.1142, 0.3493,
0.4263


 63.2147, 0.3685,
0.5261


 139.3127, 0.3625,
0.4809


 46.0149, 0.3693,
0.5466


 174.1262, 0.3603,
0.4698

 32.2576, 0.3684,
0.5709


 214.3042, 0.3582,
0.4602

 21.5583, 0.3642,
0.5992

 260.2310, 0.3562,
0.4517

 13.5327, 0.3576,
0.6388

312.2909, 0.3543,
0.4442

 7.7964, 0.3320,
0.6680

370.8686, 0.3525,

 3.9649, 0.2915,

0.4376

0.7085

436.3482, 0.3508,
0.4316

■ 1.6540, 0.1998,
0.8002

■ 0.3936, 0.0000,
1.0000

■ 84.2413, 0.3668,
0.5086

■ 84.2413, 0.3668,
0.5086

■ 82.8425, 0.3682,
0.5270

■ 85.8342, 0.3630,
0.4860

■ 81.6328, 0.3669,
0.5404

■ 87.6496, 0.3569,
0.4603

■ 80.5823, 0.3635,
0.5490

■ 89.6967, 0.3492,
0.4329

■ 80.4477, 0.3629,
0.5500

■ 91.9880, 0.3404,
0.4048

■ 94.5346, 0.3309,
0.3771

■ 97.3470, 0.3211,
0.3506

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.



84.2413, 0.4474, 0.4676



84.2413, 0.3668, 0.5086



84.2413, 0.2772, 0.4825

Triad

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



84.2413, 0.3668, 0.5086



84.2413, 0.1544, 0.2168



84.2413, 0.4255, 0.2727

Complementary

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



84.2413, 0.3668, 0.5086



18.1839, 0.2132, 0.1248

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.



84.2413, 0.3260, 0.2229



84.2413, 0.3668, 0.5086



84.2413, 0.1796, 0.1902

Square

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



84.2413, 0.3668, 0.5086



84.2413, 0.1607, 0.2820



84.2413, 0.2372, 0.1938



84.2413, 0.4923, 0.3347

Rectangle

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



84.2413, 0.3668, 0.5086



84.2413, 0.2240, 0.4221



84.2413, 0.2372, 0.1938



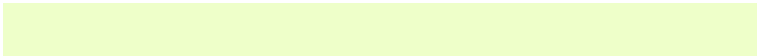
84.2413, 0.3936, 0.2543

Sweetspot

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



84.2370, 0.3668, 0.5086



93.9112, 0.3331, 0.3836



39.2747, 0.4984, 0.3808



19.9484, 0.3358, 0.3912



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.



84.2370, 0.3668, 0.5086



82.4170, 0.3680, 0.5321



75.5464, 0.3151, 0.5424



20.7822, 0.3219, 0.3528



42.1194, 0.3638, 0.5493



4.1597, 0.3703, 0.5442

Inverse Universe

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



18.1839, 0.2132, 0.1248



12.6655, 0.1924, 0.0944



28.6245, 0.2893, 0.1614



17.6599, 0.3029, 0.3048



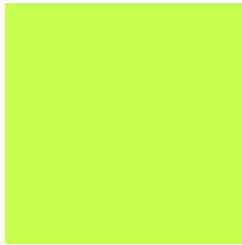
4.7715, 0.1725, 0.0724



0.5203, 0.1845, 0.0790

Previews

White Background



This preview shows how the Yxy color 84.2413, 0.3668, 0.5086 looks on a white background.

Color Contrast Check

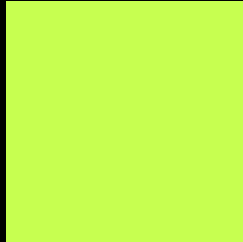
Large Text (above 18pt) WCAG AA × Fail

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 84.2413, 0.3668, 0.5086 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 84.2413, 0.3668, 0.5086

Background



This preview shows how black text looks on a background with the Yxy color 84.2413, 0.3668, 0.5086.

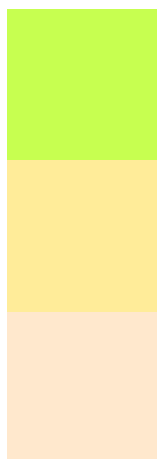


This preview shows how white text looks on a background with the Yxy color 84.2413, 0.3668, 0.5086.

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

84.2413, 0.3668, 0.5086

Protanopia

83.5508, 0.3797, 0.4121

Deuteranopia

83.3810, 0.3465, 0.3562



Tritanopia

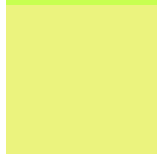
83.7412, 0.2918, 0.3115

Trichromacy



Original Color

84.2413, 0.3668, 0.5086



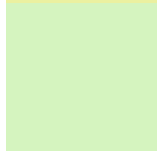
Protanomaly

83.2697, 0.3778, 0.4490



Deuteranomaly

82.5204, 0.3594, 0.4132



Tritanomaly

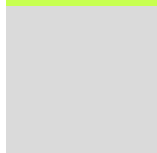
82.6091, 0.3243, 0.3871

Monochromacy



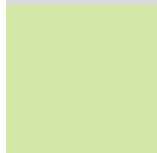
Original Color

84.2413, 0.3668, 0.5086



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.8279, 0.3391, 0.4005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2413, 0.3668, 0.5086 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(199, 255, 80)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 80)  
}
```

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(199, 255, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 80) }
```

Border

The CSS property to change the border of an element to Yxy 84.2413, 0.3668, 0.5086 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(199, 255, 80) }
```

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

```
.border{ border-color:rgb(199, 255, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2413, 0.3668, 0.5086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 80) }
```

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

```
.background{ background-color: rgb(199,  
255, 80) }
```

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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