

Converting Colors

$Y_{xy}(114.8393, 0.3521, 0.5151)$

Have a look what the booklet for
Yxy(114.8393, 0.3521, 0.5151)
contains.

Yxy(85.8117, 0.3666, 0.4917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.8117, 0.3666, 0.4917)

Conversions

Conversions Part 1

Format	Color
Hex	D0FF62
RGB	208, 255, 98
RGB Percent	82%, 100%, 38%
CMY	0.1842, 0.0000, 0.6159
CMYK	0.18, 0.00, 0.62, 0.00
HSL	78°, 100%, 69%
HSV	78°, 62%, 100%
XYZ	63.9792, 85.8117, 24.7295
YIQ	223.0490, 22.3850, -58.7910

Conversions

Conversions Part 2

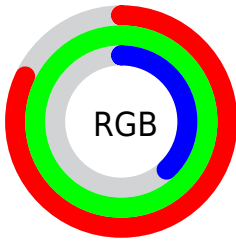
Format	Color
R_{YB}	98, 255, 145
Decimal	13696866
CIE _{Lab}	94.23, -36.94, 68.03
CIE _{LCh}	94, 77.412, 118.501
Yxy	85.8117, 0.3666, 0.4917
Android (android.graphics.Color)	4291886946 (0xFFD0FF62)
YUV	223.0490, -61.6492, -13.1980
Hunter-Lab	92.6346, -38.8274, 49.0163

Details

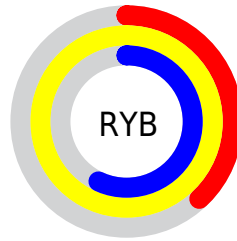
The Yxy color **85.8117, 0.3666, 0.4917** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **21.9553, 0.2226, 0.1434**, and the grayscale version is **74.2624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1131, 0.3723, 0.4275**, and **47.0121, 0.3709, 0.5265** is the 20% darker color. If you saturate the color by 10%, you get **84.3275, 0.3701, 0.5127**, and if you desaturate by 10%, it is **87.5066, 0.3608, 0.4672**.

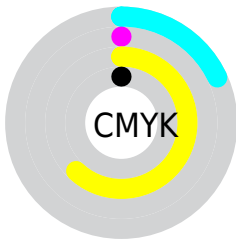
Distribution



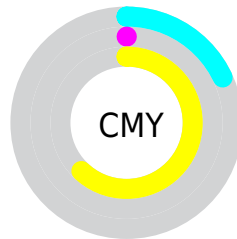
- Red (82%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (57%)



- Cyan (18%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8117, 0.3666, 0.4917 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 85.8117, 0.3666, 0.4917 by changing the saturation by 10% instead.

 85.8117, 0.3666,
0.4917


 85.8117, 0.3666,
0.4917

514.3101, 0.3477,
0.4171

 64.5123, 0.3691,
0.5077


 141.5067, 0.3615,
0.4665


 47.0657, 0.3711,
0.5267


 176.6710, 0.3591,
0.4565

 33.0876, 0.3721,
0.5494


 217.2258, 0.3568,
0.4477

 22.1936, 0.3708,
0.5764


 263.5555, 0.3547,
0.4401

 13.9992, 0.3655,
0.6094

316.0443, 0.3527,
0.4333

 8.1201, 0.3516,
0.6484


375.0768, 0.3509,

 4.1719, 0.3166,


0.4273


0.6834


441.0372, 0.3493,
0.4220


 1.7702, 0.2518,
0.7482


 0.4685, 0.0000,
1.0000


 85.8117, 0.3666,
0.4917

 85.8117, 0.3666,
0.4917


 84.3275, 0.3701,
0.5127


 87.5066, 0.3608,
0.4672


 83.0318, 0.3710,
0.5293


 89.4198, 0.3532,
0.4405


 81.9077, 0.3694,
0.5409

 91.5659, 0.3442,
0.4127

 81.0716, 0.3664,
0.5472

 93.9563, 0.3345,
0.3850

 96.6014, 0.3244,
0.3582

 99.5112, 0.3143,
0.3329

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.



85.8117, 0.4397, 0.4567



85.8117, 0.3666, 0.4917



85.8117, 0.2838, 0.4677

Triad

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



85.8117, 0.3666, 0.4917



85.8117, 0.1658, 0.2278



85.8117, 0.4130, 0.2763

Complementary

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



85.8117, 0.3666, 0.4917



21.9553, 0.2226, 0.1434

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.



85.8117, 0.3231, 0.2301



85.8117, 0.3666, 0.4917



85.8117, 0.1887, 0.2011

Square

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



85.8117, 0.3666, 0.4917



85.8117, 0.1731, 0.2896



85.8117, 0.2420, 0.2034



85.8117, 0.4750, 0.3345

Rectangle

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



85.8117, 0.3666, 0.4917



85.8117, 0.2342, 0.4152



85.8117, 0.2420, 0.2034



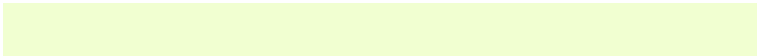
85.8117, 0.3842, 0.2592

Sweetspot

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



85.8138, 0.3666, 0.4917



94.8770, 0.3309, 0.3753



41.6171, 0.4767, 0.3730



20.1475, 0.3338, 0.3832



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.



85.8138, 0.3666, 0.4917



83.9989, 0.3706, 0.5171



77.3035, 0.3192, 0.5197



20.8020, 0.3223, 0.3528



42.4430, 0.3673, 0.5465



4.1894, 0.3734, 0.5417

Inverse Universe

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



21.9553, 0.2226, 0.1434



15.3434, 0.2017, 0.1099



31.3108, 0.2878, 0.1726



17.6410, 0.3026, 0.3048



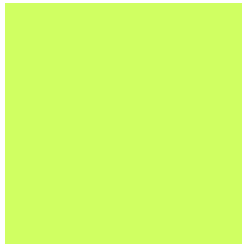
4.6484, 0.1699, 0.0709



0.5065, 0.1816, 0.0774

Previews

White Background



This preview shows how the Yxy color 85.8117, 0.3666, 0.4917 looks on a white background.

Color Contrast Check

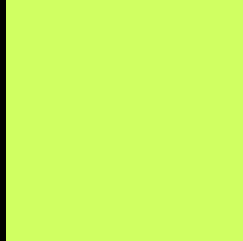
Large Text (above 18pt) WCAG AA × Fail

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 85.8117, 0.3666, 0.4917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

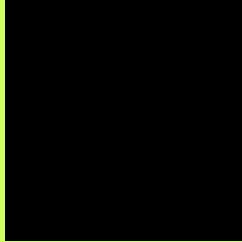
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8117, 0.3666, 0.4917

Background



This preview shows how black text looks on a background with the Yxy color 85.8117, 0.3666, 0.4917.

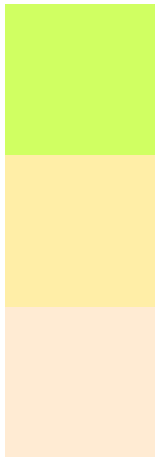


This preview shows how white text looks on a background with the Yxy color 85.8117, 0.3666, 0.4917.

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

85.8117, 0.3666, 0.4917

Protanopia

85.1991, 0.3702, 0.4003

Deuteranopia

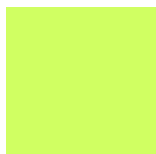
85.3798, 0.3420, 0.3531



Tritanopia

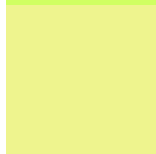
85.6110, 0.2968, 0.3128

Trichromacy



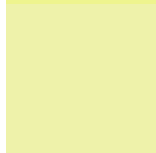
Original Color

85.8117, 0.3666, 0.4917



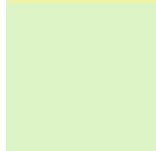
Protanomaly

84.8315, 0.3709, 0.4340



Deuteranomaly

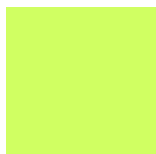
84.5837, 0.3548, 0.4041



Tritanomaly

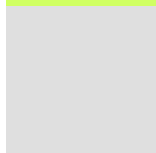
84.7542, 0.3253, 0.3794

Monochromacy



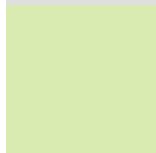
Original Color

85.8117, 0.3666, 0.4917



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.5364, 0.3371, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8117, 0.3666, 0.4917 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(208, 255, 98)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 98)  
}
```

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(208, 255, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 98) }
```

Border

The CSS property to change the border of an element to Yxy 85.8117, 0.3666, 0.4917 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(208, 255, 98) }
```

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

```
.border{ border-color:rgb(208, 255, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 98);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8117, 0.3666, 0.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 98) }
```

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

```
.background{ background-color: rgb(208,  
255, 98) }
```

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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