

Converting Colors

$Y_{xy}(85.5773, 0.3524, 0.4725)$

Have a look what the booklet for
Yxy(85.5773, 0.3524, 0.4725)
contains.

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Color

Yxy(85.6217, 0.3529, 0.4728)

Conversions

Conversions Part 1	
Format	Color
Hex	CBFF7A
RGB	203, 255, 122
RGB Percent	80%, 100%, 48%
CMY	0.2038, 0.0000, 0.5216
CMYK	0.20, 0.00, 0.52, 0.00
HSL	83°, 100%, 74%
HSV	83°, 52%, 100%
XYZ	63.9084, 85.6217, 31.5649
YIQ	224.2900, 11.7010, -52.3870

Conversions

Conversions Part 2

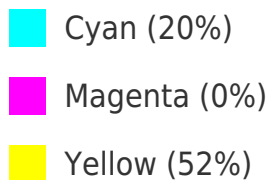
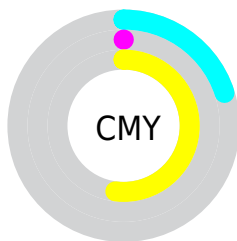
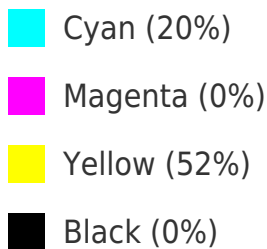
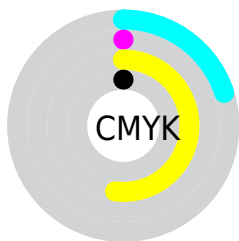
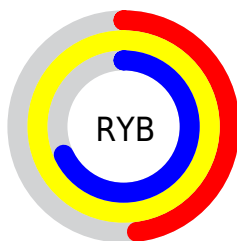
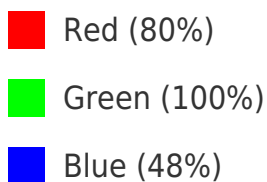
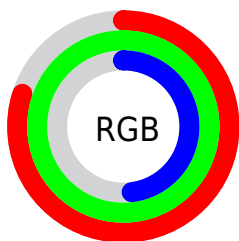
Format	Color
RYB	122, 255, 174
Decimal	13369210
CIELab	94.15, -36.75, 57.55
CIELCh	94, 68.281, 122.562
Yxy	85.6217, 0.3529, 0.4728
Android (android.graphics.Color)	4291559290 (0xFFCBBFF7A)
YUV	224.2900, -50.4290, -18.6713
Hunter-Lab	92.5320, -38.6477, 44.5472

Details

The Yxy color **85.6217, 0.3529, 0.4728** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **30.1278, 0.2486, 0.1764**, and the grayscale version is **75.1272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **46.9165, 0.3566, 0.5056** is the 20% darker color. If you saturate the color by 10%, you get **83.7199, 0.3570, 0.4989**, and if you desaturate by 10%, it is **87.7867, 0.3470, 0.4446**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6217, 0.3529, 0.4728 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 85.6217, 0.3529, 0.4728 by changing the saturation by 10% instead.


 85.6217, 0.3529,
0.4728

 85.6217, 0.3529,
0.4728


513.6830, 0.3385,
0.4058

 64.3552, 0.3549,
0.4877


 141.2415, 0.3489,
0.4498

 46.9384, 0.3568,
0.5057


 176.3635, 0.3470,
0.4408

 32.9870, 0.3580,
0.5278


 216.8729, 0.3453,
0.4330

 22.1165, 0.3577,
0.5552

263.1539, 0.3437,
0.4261

 13.9425, 0.3541,
0.5893

315.5911, 0.3423,
0.4201

 8.0807, 0.3495,
0.6431


374.5687, 0.3409,

 4.1466, 0.3171,


0.4148

0.6829


440.4712, 0.3397,
0.4101

 1.7559, 0.2521,
0.7479


 0.4595, 0.0000,
1.0000


 85.6217, 0.3529,
0.4728


 85.6217, 0.3529,
0.4728


 83.7199, 0.3570,
0.4989


 87.7867, 0.3470,
0.4446

 82.0551, 0.3588,
0.5216


 90.2171, 0.3397,
0.4158

 80.6139, 0.3582,
0.5396

 92.9289, 0.3316,
0.3872

 79.3762, 0.3551,
0.5524

 95.9337, 0.3231,
0.3599

 78.5256, 0.3514,
0.5592

 99.2421, 0.3146,
0.3343

99.9988, 0.3127,
0.3290

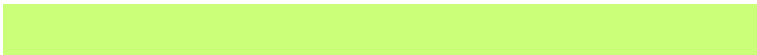
Harmonies

Analogous

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



85.6217, 0.4202, 0.4507



85.6217, 0.3529, 0.4728



85.6217, 0.2788, 0.4418

Triad

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



85.6217, 0.3529, 0.4728



85.6217, 0.1811, 0.2340



85.6217, 0.4110, 0.2891

Complementary

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



85.6217, 0.3529, 0.4728



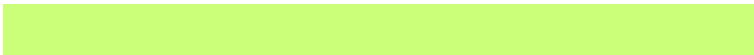
30.1278, 0.2486, 0.1764

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.



85.6217, 0.3334, 0.2447



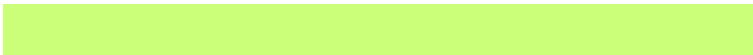
85.6217, 0.3529, 0.4728



85.6217, 0.2060, 0.2126

Square

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



85.6217, 0.3529, 0.4728



85.6217, 0.1845, 0.2860



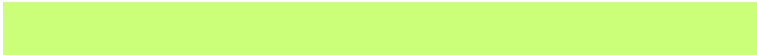
85.6217, 0.2585, 0.2175



85.6217, 0.4602, 0.3435

Rectangle

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



85.6217, 0.3529, 0.4728



85.6217, 0.2356, 0.3933



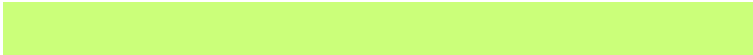
85.6217, 0.2585, 0.2175



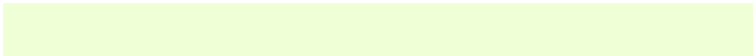
85.6217, 0.3868, 0.2728

Sweetspot

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



85.6255, 0.3529, 0.4728



94.7468, 0.3264, 0.3702



52.5415, 0.4337, 0.3817



20.1472, 0.3282, 0.3758



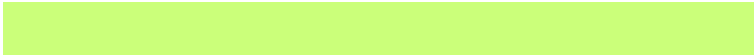
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6255, 0.3529, 0.4728



83.5728, 0.3572, 0.5009



78.2846, 0.3127, 0.4928



20.7159, 0.3209, 0.3529



41.1209, 0.3525, 0.5583



4.0670, 0.3600, 0.5524

Inverse Universe

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



30.1278, 0.2486, 0.1764



22.4665, 0.2315, 0.1445



39.5698, 0.3048, 0.1985



17.7237, 0.3040, 0.3049



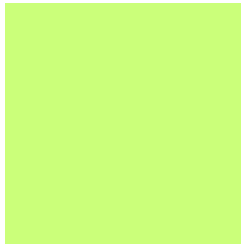
5.2568, 0.1827, 0.0780



0.5728, 0.1953, 0.0849

Previews

White Background



This preview shows how the Yxy color 85.6217, 0.3529, 0.4728 looks on a white background.

Color Contrast Check

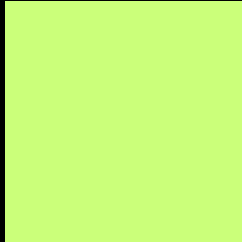
Large Text (above 18pt) WCAG AA × Fail

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 85.6217, 0.3529, 0.4728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

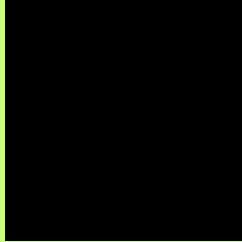
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

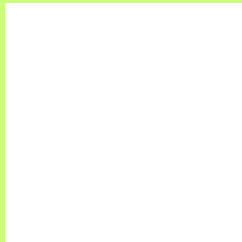
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6217, 0.3529, 0.4728

Background



This preview shows how black text looks on a background with the Yxy color 85.6217, 0.3529, 0.4728.

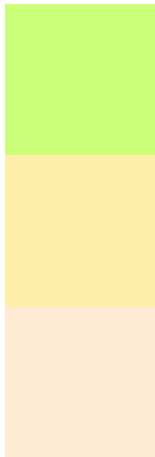


This preview shows how white text looks on a background with the Yxy color 85.6217, 0.3529, 0.4728.

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

85.6217, 0.3529, 0.4728

Protanopia

85.1991, 0.3702, 0.4003

Deuteranopia

84.8591, 0.3415, 0.3511



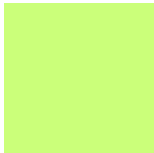
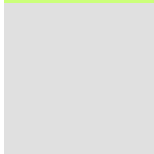
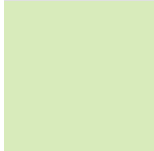
Tritanopia

85.5477, 0.2943, 0.3137

Trichromacy

	Original Color 85.6217, 0.3529, 0.4728
	Protanomaly 84.7686, 0.3643, 0.4257
	Deuteranomaly 84.5918, 0.3478, 0.3951
	Tritanomaly 84.5615, 0.3172, 0.3699

Monochromacy

	Original Color 85.6217, 0.3529, 0.4728
	Achromatopsia 74.5404, 0.3127, 0.3290
	Achromatomaly 77.6034, 0.3299, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6217, 0.3529, 0.4728 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(203, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 122)  
}
```

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(203, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 122) }
```

Border

The CSS property to change the border of an element to Yxy 85.6217, 0.3529, 0.4728 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(203, 255, 122) }
```

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

```
.border{ border-color:rgb(203, 255, 122) }
```

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

Here you see how a box with a 4 pixel rgb(203, 255, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6217, 0.3529, 0.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 122) }
```

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

```
.background{ background-color: rgb(203,  
255, 122) }
```

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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double the colors in the color bucket, and more
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