

Converting Colors

$Yxy(85.5183, 0.3622, 0.4553)$

Have a look what the booklet for
Yxy(85.5183, 0.3622, 0.4553)
contains.

Yxy(85.2256, 0.3618, 0.4548)	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(85.2256, 0.3618, 0.4548)

Conversions

Conversions Part 1

Format	Color
Hex	DCFA83
RGB	220, 250, 131
RGB Percent	86%, 98%, 51%
CMY	0.1373, 0.0196, 0.4861
CMYK	0.12, 0.00, 0.48, 0.02
HSL	75°, 92%, 75%
HSV	75°, 48%, 98%
XYZ	67.7982, 85.2256, 34.3676
YIQ	227.4640, 20.3190, -43.3690

Conversions

Conversions Part 2

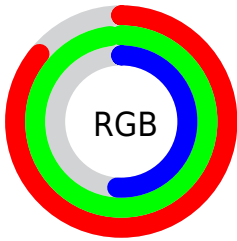
Format	Color
RYB	131, 250, 161
Decimal	14482051
CIELab	93.98, -27.30, 53.45
CIELCh	94, 60.018, 117.061
Yxy	85.2256, 0.3618, 0.4548
Android (android.graphics.Color)	4292672131 (0xFFDCFA83)
YUV	227.4640, -47.5568, -6.5459
Hunter-Lab	92.3177, -30.4655, 42.5502

Details

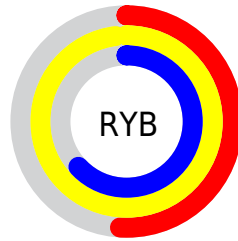
The Yxy color **85.2256, 0.3618, 0.4548** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **30.7339, 0.2428, 0.1862**, and the grayscale version is **77.5182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3252, 0.3538, 0.3969**, and **46.4765, 0.3690, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **83.6651, 0.3692, 0.4795**, and if you desaturate by 10%, it is **86.9944, 0.3527, 0.4283**.

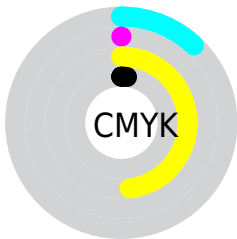
Distribution



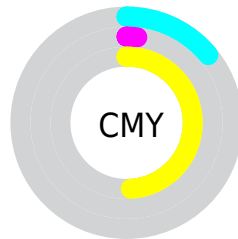
- Red (86%)
- Green (98%)
- Blue (51%)



- Red (51%)
- Yellow (98%)
- Blue (63%)



- Cyan (12%)
- Magenta (0%)
- Yellow (48%)
- Black (2%)




- Cyan (14%)
- Magenta (2%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2256, 0.3618, 0.4548 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 85.2256, 0.3618, 0.4548 by changing the saturation by 10% instead.


 85.2256, 0.3618,
0.4548

 85.2256, 0.3618,
0.4548

512.3743, 0.3425,
0.3968


 64.0278, 0.3652,
0.4676


 140.6883, 0.3559,
0.4350

 46.6732, 0.3688,
0.4830


 175.7221, 0.3533,
0.4272

 32.7774, 0.3725,
0.5020


 216.1365, 0.3511,
0.4204

 21.9560, 0.3757,
0.5254

262.3162, 0.3490,
0.4145

 13.8245, 0.3772,
0.5547

314.6454, 0.3471,
0.4093

 7.9987, 0.3772,
0.5960


373.5085, 0.3454,


 4.0941, 0.3616,

0.4047

0.6384


439.2900, 0.3439,
0.4005

 1.7264, 0.3179,
0.6821

 0.4406, 0.0000,
1.0000


 85.2256, 0.3618,
0.4548

 85.2256, 0.3618,
0.4548


 83.6651, 0.3692,
0.4795


 86.9944, 0.3527,
0.4283

 82.2892, 0.3745,
0.5010

 88.9712, 0.3426,
0.4010


 81.0876, 0.3773,
0.5185


 91.1702, 0.3318,
0.3739


 80.0440, 0.3775,
0.5312

 93.6007, 0.3209,
0.3478

 79.1367, 0.3753,
0.5393

 96.2035, 0.3108,
0.3242

 78.9299, 0.3745,
0.5408

 96.8551, 0.3129,
0.3242

Harmonies

Analogous

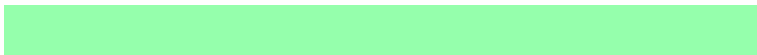
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2256, 0.4182, 0.4315



85.2256, 0.3618, 0.4548



85.2256, 0.2955, 0.4355

Triad

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



85.2256, 0.3618, 0.4548



85.2256, 0.1931, 0.2516



85.2256, 0.3880, 0.2856

Complementary

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



85.2256, 0.3618, 0.4548



30.7339, 0.2428, 0.1862

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.



85.2256, 0.3185, 0.2475



85.2256, 0.3618, 0.4548



85.2256, 0.2112, 0.2265

Square

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



85.2256, 0.3618, 0.4548



85.2256, 0.2015, 0.3036



85.2256, 0.2545, 0.2264



85.2256, 0.4376, 0.3342

Rectangle

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



85.2256, 0.3618, 0.4548



85.2256, 0.2547, 0.3978



85.2256, 0.2545, 0.2264



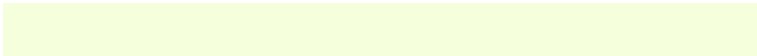
85.2256, 0.3657, 0.2714

Sweetspot

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



85.2294, 0.3618, 0.4548



96.2416, 0.3279, 0.3645



47.3824, 0.4283, 0.3609



20.4850, 0.3303, 0.3702



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

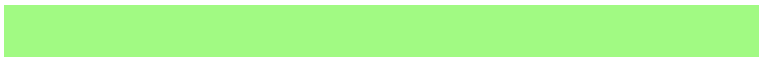
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2294, 0.3618, 0.4548



87.5935, 0.3689, 0.4782



77.5707, 0.3225, 0.4724



19.9574, 0.3230, 0.3527



41.9364, 0.3753, 0.5402



3.9341, 0.3808, 0.5359

Inverse Universe

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



30.7339, 0.2428, 0.1862



24.4375, 0.2256, 0.1553



38.4071, 0.2919, 0.2039



16.8546, 0.3018, 0.3047



4.2802, 0.1646, 0.0681



0.4444, 0.1762, 0.0744

Previews

White Background



This preview shows how the Yxy color 85.2256, 0.3618, 0.4548 looks on a white background.

Color Contrast Check

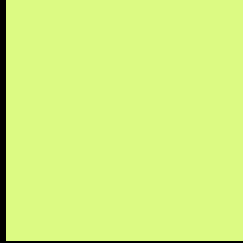
Large Text (above 18pt) WCAG AA × Fail

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 85.2256, 0.3618, 0.4548 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 85.2256, 0.3618, 0.4548

Background



This preview shows how black text looks on a background with the Yxy color 85.2256, 0.3618, 0.4548.

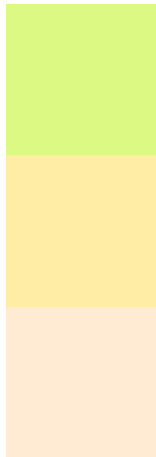


This preview shows how white text looks on a background with the Yxy color 85.2256, 0.3618, 0.4548.

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

85.2256, 0.3618, 0.4548

Protanopia

84.5815, 0.3711, 0.4004

Deuteranopia

84.8591, 0.3415, 0.3511



Tritanopia

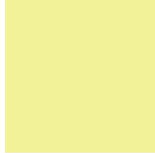
84.8731, 0.3006, 0.3099

Trichromacy



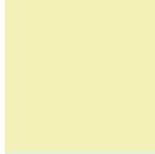
Original Color

85.2256, 0.3618, 0.4548



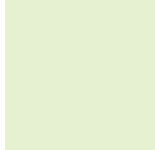
Protanomaly

84.6814, 0.3681, 0.4205



Deuteranomaly

84.6163, 0.3500, 0.3881



Tritanomaly

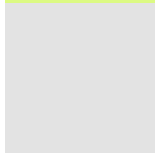
84.3867, 0.3245, 0.3616

Monochromacy



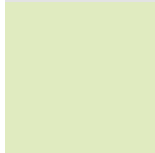
Original Color

85.2256, 0.3618, 0.4548



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.0697, 0.3324, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2256, 0.3618, 0.4548 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(220, 250, 131)` looks like.

```
.text, #text, p{  
    color:rgb(220, 250, 131)  
}
```

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(220, 250, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 250, 131) }
```

Border

The CSS property to change the border of an element to Yxy 85.2256, 0.3618, 0.4548 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(220, 250, 131) }
```

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

```
.border{ border-color:rgb(220, 250, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 250, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 250, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 250, 131);  
box-shadow:4px 4px 4px 4px rgb(220, 250,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2256, 0.3618, 0.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 250, 131) }
```

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

```
.background{ background-color: rgb(220,  
250, 131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor