

Converting Colors

$Y_{xy}(85.0192, 0.3841, 0.5268)$

Have a look what the booklet for
Yxy(85.0192, 0.3841, 0.5268)
contains.

Yxy(85.0236, 0.3842, 0.5268)	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(85.0236, 0.3842, 0.5268)

Conversions

Conversions Part 1

Format	Color
Hex	D0FF1E
RGB	208, 255, 30
RGB Percent	82%, 100%, 12%
CMY	0.1843, 0.0000, 0.8827
CMYK	0.18, 0.00, 0.88, 0.00
HSL	73°, 100%, 56%
HSV	73°, 88%, 100%
XYZ	62.0085, 85.0236, 14.3643
YIQ	215.2970, 44.2130, -79.9390

Conversions

Conversions Part 2

Format	Color
R_{YB}	30, 255, 77
Decimal	13696798
CIE Lab	93.89, -40.03, 87.66
CIE LCh	94, 96.364, 114.542
Yxy	85.0236, 0.3842, 0.5268
Android (android.graphics.Color)	4291886878 (0xFFD0FF1E)
YUV	215.2970, -91.3514, -6.3995
Hunter-Lab	92.2082, -41.3262, 55.3095

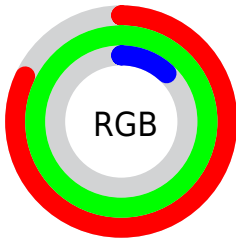
Details

The Yxy color **85.0236, 0.3842, 0.5268** is a light color, and the websafe version is hex **CCFF00**.

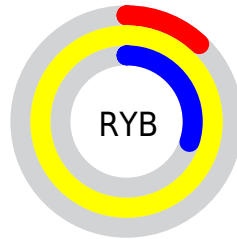
The color can be described as light washed yellow. A complement of this color would be **9.7177, 0.1703, 0.0767**, and the grayscale version is **68.7719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7795, 0.3969, 0.4682**, and **46.6841, 0.3751, 0.5404** is the 20% darker color. If you saturate the color by 10%, you get **84.1826, 0.3825, 0.5338**, and if you desaturate by 10%, it is **85.9962, 0.3835, 0.5153**.

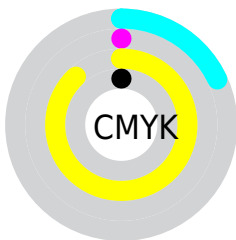
Distribution



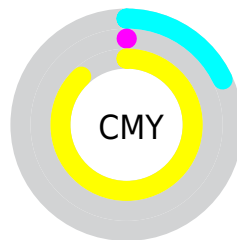
- Red (82%)
- Green (100%)
- Blue (12%)



- Red (12%)
- Yellow (100%)
- Blue (30%)



- Cyan (18%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0236, 0.3842, 0.5268 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 85.0236, 0.3842, 0.5268 by changing the saturation by 10% instead.


 85.0236, 0.3842,
0.5268


 85.0236, 0.3842,
0.5268


511.7062, 0.3621,
0.4395


 63.8609, 0.3859,
0.5440

 140.4061, 0.3792,
0.4984


 46.5380, 0.3862,
0.5635

 175.3948, 0.3765,
0.4868


 32.6706, 0.3840,
0.5853


 215.7608, 0.3738,
0.4765

 21.8742, 0.3787,
0.6110

 261.8887, 0.3712,
0.4673

 13.7645, 0.3644,
0.6356

 314.1627, 0.3687,
0.4592

 7.9571, 0.3388,
0.6612


372.9674, 0.3664,


 4.0675, 0.3003,


0.4519


0.6997


438.6871, 0.3642,
0.4454


 1.7114, 0.2207,
0.7793


 0.4310, 0.0000,
1.0000


 85.0236, 0.3842,
0.5268


 85.0236, 0.3842,
0.5268

 84.1826, 0.3825,
0.5338

 85.9962, 0.3835,
0.5153


 84.0443, 0.3821,
0.5348


 87.1200, 0.3801,
0.4991

 88.4136, 0.3742,
0.4787

 89.8918, 0.3661,
0.4550

 91.5674, 0.3563,
0.4292

 93.4520, 0.3454,
0.4024

 95.5563, 0.3339,
0.3756

 97.8901, 0.3222,
0.3496

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.



85.0236, 0.4709, 0.4678



85.0236, 0.3842, 0.5268



85.0236, 0.2855, 0.5172

Triad

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



85.0236, 0.3842, 0.5268



85.0236, 0.1378, 0.2113



85.0236, 0.4230, 0.2559

Complementary

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



85.0236, 0.3842, 0.5268



9.7177, 0.1703, 0.0767

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.



85.0236, 0.3091, 0.2053



85.0236, 0.3842, 0.5268



85.0236, 0.1596, 0.1780

Square

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



85.0236, 0.3842, 0.5268



85.0236, 0.1491, 0.2899



85.0236, 0.2157, 0.1780



85.0236, 0.5076, 0.3209

Rectangle

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



85.0236, 0.3842, 0.5268



85.0236, 0.2248, 0.4551



85.0236, 0.2157, 0.1780



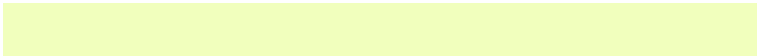
85.0236, 0.3853, 0.2369

Sweetspot

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



85.0250, 0.3842, 0.5268



93.9100, 0.3428, 0.3963



26.3759, 0.5915, 0.3547



19.9520, 0.3468, 0.4056



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.



85.0250, 0.3842, 0.5268



84.0443, 0.3821, 0.5348



74.1788, 0.3188, 0.5771



20.8881, 0.3237, 0.3527



43.9813, 0.3828, 0.5343



4.3281, 0.3871, 0.5308

Inverse Universe

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



9.7177, 0.1703, 0.0767



7.9832, 0.1593, 0.0651



18.7687, 0.2539, 0.1218



17.5604, 0.3011, 0.3046



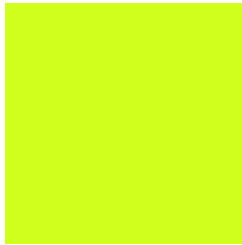
4.2222, 0.1604, 0.0657



0.4552, 0.1705, 0.0713

Previews

White Background



This preview shows how the Yxy color 85.0236, 0.3842, 0.5268 looks on a white background.

Color Contrast Check

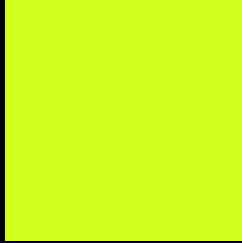
Large Text (above 18pt) WCAG AA × Fail

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 85.0236, 0.3842, 0.5268 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 85.0236, 0.3842, 0.5268

Background



This preview shows how black text looks on a background with the Yxy color 85.0236, 0.3842, 0.5268.

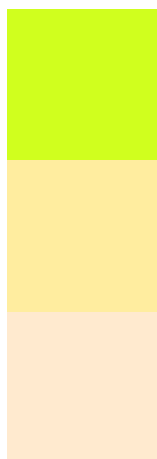


This preview shows how white text looks on a background with the Yxy color 85.0236, 0.3842, 0.5268.

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

85.0236, 0.3842, 0.5268

Protanopia

84.3316, 0.3756, 0.4072

Deuteranopia

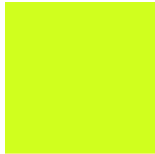
84.6106, 0.3448, 0.3561



Tritanopia

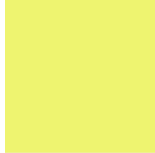
84.4464, 0.2968, 0.3107

Trichromacy



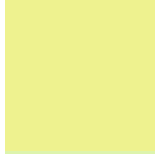
Original Color

85.0236, 0.3842, 0.5268



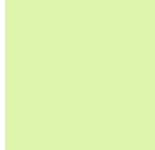
Protanomaly

84.0484, 0.3867, 0.4607



Deuteranomaly

83.6646, 0.3710, 0.4313



Tritanomaly

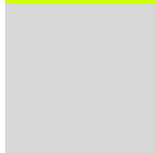
83.0906, 0.3406, 0.4059

Monochromacy



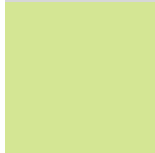
Original Color

85.0236, 0.3842, 0.5268



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.7288, 0.3527, 0.4219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0236, 0.3842, 0.5268 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 30) }
```

Border

The CSS property to change the border of an element to Yxy 85.0236, 0.3842, 0.5268 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, 30) }
```

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

```
.border{ border-color:rgb(208, 255, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 30);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0236, 0.3842, 0.5268 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, 30) }
```

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

```
.background{ background-color: rgb(208,  
255, 30) }
```

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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