

Converting Colors

Yxy(84.6821, 0.3802, 0.5245)

Have a look what the booklet for
Yxy(84.6821, 0.3802, 0.5245)
contains.

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Color

Yxy(84.6736, 0.3802, 0.5245)

Conversions

Conversions Part 1

Format	Color
Hex	CDFF2B
RGB	205, 255, 43
RGB Percent	80%, 100%, 17%
CMY	0.1960, 0.0000, 0.8317
CMYK	0.20, 0.00, 0.83, 0.00
HSL	74°, 100%, 58%
HSV	74°, 83%, 100%
XYZ	61.3783, 84.6736, 15.3849
YIQ	215.8820, 38.2520, -76.5320

Conversions

Conversions Part 2

Format	Color
R _Y B	43, 255, 93
Decimal	13500203
CIE Lab	93.74, -40.85, 85.04
CIE LCh	94, 94.343, 115.657
Yxy	84.6736, 0.3802, 0.5245
Android (android.graphics.Color)	4291690283 (0xFFC _D FF2B)
YUV	215.8820, -85.2308, -9.5435
Hunter-Lab	92.0183, -41.9684, 54.4998

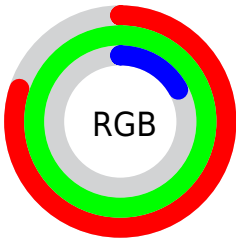
Details

The Yxy color **84.6736, 0.3802, 0.5245** is a light color, and the websafe version is hex **CCFF33**.

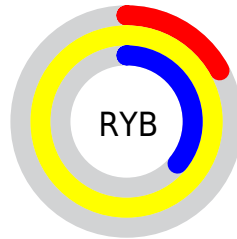
The color can be described as light washed yellow. A complement of this color would be **11.2627, 0.1798, 0.0865**, and the grayscale version is **69.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9058, 0.3944, 0.4640**, and **46.4992, 0.3734, 0.5417** is the 20% darker color. If you saturate the color by 10%, you get **83.7071, 0.3792, 0.5342**, and if you desaturate by 10%, it is **85.7971, 0.3786, 0.5100**.

Distribution



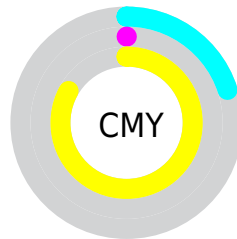
- Red (80%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (36%)



- Cyan (20%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6736, 0.3802, 0.5245 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 84.6736, 0.3802, 0.5245 by changing the saturation by 10% instead.


 84.6736, 0.3802,
0.5245


 84.6736, 0.3802,
0.5245


510.5474, 0.3593,
0.4374


 63.5717, 0.3818,
0.5420

 139.9171, 0.3755,
0.4960

 46.3039, 0.3821,
0.5620

 174.8274, 0.3729,
0.4843


 32.4857, 0.3801,
0.5846


 215.1094, 0.3703,
0.4740

 21.7327, 0.3745,
0.6106


 261.1474, 0.3678,
0.4650

 13.6607, 0.3615,
0.6385

 313.3258, 0.3655,
0.4569

 7.8850, 0.3352,
0.6648


372.0290, 0.3633,


 4.0215, 0.2957,


0.4497

0.7043


437.6414, 0.3612,
0.4432


 1.6856, 0.2103,
0.7897


 0.4143, 0.0000,
1.0000


 84.6736, 0.3802,
0.5245


 84.6736, 0.3802,
0.5245


 83.7071, 0.3792,
0.5342

 85.7971, 0.3786,
0.5100

 83.1115, 0.3774,
0.5385

 87.0856, 0.3744,
0.4910

 88.5586, 0.3678,
0.4682

 90.2301, 0.3593,
0.4429

92.1123, 0.3493,
0.4161

94.2163, 0.3385,
0.3889

96.5525, 0.3274,
0.3622

99.1306, 0.3162,
0.3368

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



84.6736, 0.4662, 0.4689



84.6736, 0.3802, 0.5245



84.6736, 0.2829, 0.5107

Triad

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



84.6736, 0.3802, 0.5245



84.6736, 0.1405, 0.2115



84.6736, 0.4249, 0.2594

Complementary

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



84.6736, 0.3802, 0.5245



11.2627, 0.1798, 0.0865

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.



84.6736, 0.3134, 0.2087



84.6736, 0.3802, 0.5245



84.6736, 0.1633, 0.1798

Square

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



84.6736, 0.3802, 0.5245



84.6736, 0.1506, 0.2872



84.6736, 0.2202, 0.1807



84.6736, 0.5058, 0.3241

Rectangle

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



84.6736, 0.3802, 0.5245



84.6736, 0.2236, 0.4480



84.6736, 0.2202, 0.1807



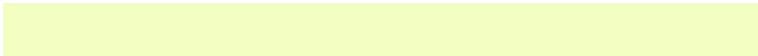
84.6736, 0.3883, 0.2404

Sweetspot

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



84.6774, 0.3802, 0.5245



93.8144, 0.3406, 0.3938



29.1579, 0.5678, 0.3636



19.9195, 0.3444, 0.4034



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.



84.6774, 0.3802, 0.5245



83.1116, 0.3774, 0.5385



74.3730, 0.3179, 0.5712



20.8624, 0.3232, 0.3527



43.4993, 0.3781, 0.5380



4.2849, 0.3830, 0.5341

Inverse Universe

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



11.2627, 0.1798, 0.0865



8.1831, 0.1616, 0.0664



21.0078, 0.2649, 0.1315



17.5842, 0.3015, 0.3047



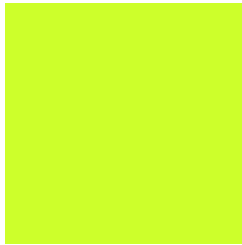
4.3318, 0.1629, 0.0671



0.4690, 0.1735, 0.0730

Previews

White Background



This preview shows how the Yxy color 84.6736, 0.3802, 0.5245 looks on a white background.

Color Contrast Check

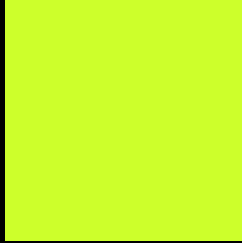
Large Text (above 18pt) WCAG AA × Fail

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 84.6736, 0.3802, 0.5245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

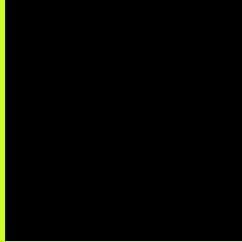
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.6736, 0.3802, 0.5245

Background



This preview shows how black text looks on a background with the Yxy color 84.6736, 0.3802, 0.5245.

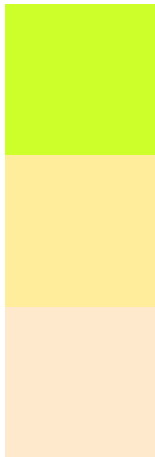


This preview shows how white text looks on a background with the Yxy color 84.6736, 0.3802, 0.5245.

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

84.6736, 0.3802, 0.5245

Protanopia

84.2287, 0.3775, 0.4101

Deuteranopia

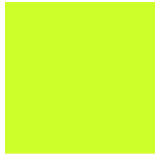
83.9456, 0.3464, 0.3572



Tritanopia

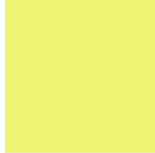
84.1193, 0.2955, 0.3107

Trichromacy



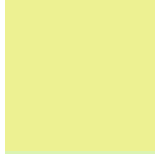
Original Color

84.6736, 0.3802, 0.5245



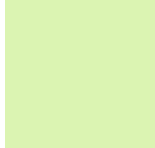
Protanomaly

83.9437, 0.3845, 0.4586



Deuteranomaly

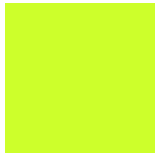
82.9904, 0.3689, 0.4278



Tritanomaly

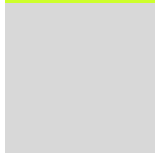
82.9758, 0.3362, 0.4008

Monochromacy



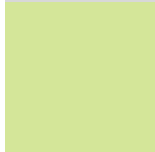
Original Color

84.6736, 0.3802, 0.5245



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.8906, 0.3496, 0.4164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6736, 0.3802, 0.5245 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(205, 255, 43)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 43)  
}
```

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(205, 255, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 43) }
```

Border

The CSS property to change the border of an element to Yxy 84.6736, 0.3802, 0.5245 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(205, 255, 43) }
```

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

```
.border{ border-color:rgb(205, 255, 43) }
```

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

Here you see how a box with a 4 pixel rgb(205, 255, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 43);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6736, 0.3802, 0.5245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 43) }
```

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

```
.background{ background-color: rgb(205,  
255, 43) }
```

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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