

Converting Colors

Yxy(76.9128, 0.3656, 0.4859)

Have a look what the booklet for
Yxy(76.9128, 0.3656, 0.4859)
contains.

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Color

Yxy(76.6845, 0.3658, 0.4851)

Conversions

Conversions Part 1

Format	Color
Hex	C8F263
RGB	200, 242, 99
RGB Percent	78%, 95%, 39%
CMY	0.2157, 0.0510, 0.6116
CMYK	0.17, 0.00, 0.59, 0.05
HSL	78°, 85%, 67%
HSV	78°, 59%, 95%
XYZ	57.8256, 76.6845, 23.5697
YIQ	213.1400, 20.8710, -53.3770

Conversions

Conversions Part 2

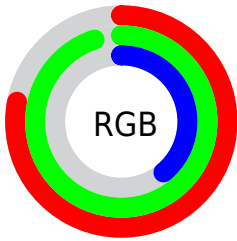
Format	Color
R _Y B	99, 242, 141
Decimal	13169251
CIE Lab	90.18, -33.98, 62.98
CIE LCh	90, 71.560, 118.352
Yxy	76.6845, 0.3658, 0.4851
Android (android.graphics.Color)	4291359331 (0xFFC8F263)
YUV	213.1400, -56.2710, -11.5238
Hunter-Lab	87.5697, -35.3766, 45.3407

Details

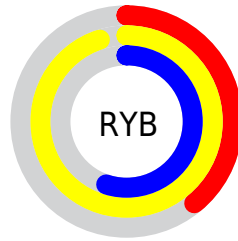
The Yxy color **76.6845, 0.3658, 0.4851** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **21.0116, 0.2267, 0.1513**, and the grayscale version is **67.0167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1131, 0.3723, 0.4275**, and **41.1246, 0.3709, 0.5205** is the 20% darker color. If you saturate the color by 10%, you get **75.3356, 0.3700, 0.5070**, and if you desaturate by 10%, it is **78.2245, 0.3594, 0.4601**.

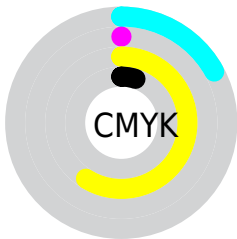
Distribution



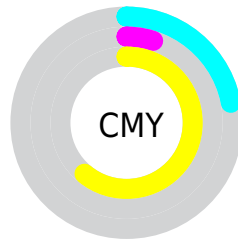
- Red (78%)
- Green (95%)
- Blue (39%)



- Red (39%)
- Yellow (95%)
- Blue (55%)



- Cyan (17%)
- Magenta (0%)
- Yellow (59%)
- Black (5%)




- Cyan (22%)
- Magenta (5%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6845, 0.3658, 0.4851 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 76.6845, 0.3658, 0.4851 by changing the saturation by 10% instead.

 76.6845, 0.3658,
0.4851


 76.6845, 0.3658,
0.4851


483.6876, 0.3462,
0.4120


 56.9940, 0.3686,
0.5012

 128.6940, 0.3603,
0.4600


 41.0004, 0.3710,
0.5206


 161.7818, 0.3578,
0.4502

 28.3194, 0.3725,
0.5440


 200.1041, 0.3554,
0.4416

 18.5666, 0.3717,
0.5722

 244.0454, 0.3533,
0.4342

 11.3575, 0.3676,
0.6088

293.9900, 0.3513,
0.4276

 6.3078, 0.3515,
0.6485

350.3223, 0.3495,

 3.0332, 0.3125,

0.4218

0.6875

413.4267, 0.3478,
0.4166

■ 1.1491, 0.1735,
0.8265

■ 0.0195, 0.0000,
1.0000

■ 76.6845, 0.3658,
0.4851

■ 76.6845, 0.3658,
0.4851

■ 75.3356, 0.3700,
0.5070

■ 78.2245, 0.3594,
0.4601

■ 74.1541, 0.3718,
0.5247


■ 79.9570, 0.3513,
0.4331

■ 73.1275, 0.3709,
0.5375


■ 81.8963, 0.3420,
0.4054

■ 72.2323, 0.3678,
0.5457

■ 84.0520, 0.3321,
0.3780

 72.1531, 0.3675,
0.5464

 86.4334, 0.3219,
0.3516

 89.0488, 0.3118,
0.3268

 91.0092, 0.3099,
0.3164

 91.9867, 0.3133,
0.3165

Harmonies

Analogous

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



76.6845, 0.4360, 0.4526



76.6845, 0.3658, 0.4851



76.6845, 0.2859, 0.4617

Triad

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



76.6845, 0.3658, 0.4851



76.6845, 0.1705, 0.2319



76.6845, 0.4087, 0.2781

Complementary

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



76.6845, 0.3658, 0.4851



21.0116, 0.2267, 0.1513

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.



76.6845, 0.3224, 0.2332



76.6845, 0.3658, 0.4851



76.6845, 0.1927, 0.2055

Square

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



76.6845, 0.3658, 0.4851



76.6845, 0.1780, 0.2920



76.6845, 0.2444, 0.2074



76.6845, 0.4684, 0.3347

Rectangle

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



76.6845, 0.3658, 0.4851



76.6845, 0.2377, 0.4118



76.6845, 0.2444, 0.2074



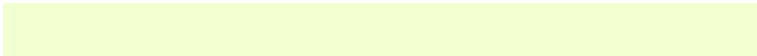
76.6845, 0.3810, 0.2614

Sweetspot

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



76.6879, 0.3658, 0.4851



94.9197, 0.3310, 0.3753



38.4057, 0.4666, 0.3719



20.1579, 0.3340, 0.3831



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.



76.6879, 0.3658, 0.4851



84.5428, 0.3706, 0.5111



69.1562, 0.3195, 0.5113



18.2123, 0.3223, 0.3526



38.8335, 0.3683, 0.5457



3.2815, 0.3752, 0.5403

Inverse Universe

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



21.0116, 0.2267, 0.1513



16.6342, 0.2059, 0.1170



29.1976, 0.2893, 0.1783



15.4537, 0.3025, 0.3049



4.2267, 0.1695, 0.0707



0.4010, 0.1832, 0.0783

Previews

White Background



This preview shows how the Yxy color 76.6845, 0.3658, 0.4851 looks on a white background.

Color Contrast Check

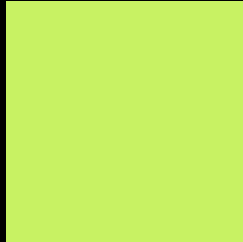
Large Text (above 18pt) WCAG AA × Fail

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 76.6845, 0.3658, 0.4851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

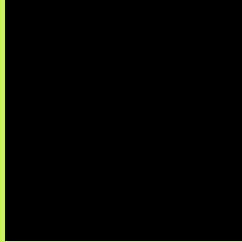
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6845, 0.3658, 0.4851

Background



This preview shows how black text looks on a background with the Yxy color 76.6845, 0.3658, 0.4851.



This preview shows how white text looks on a background with the Yxy color 76.6845, 0.3658, 0.4851.

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

76.6845, 0.3658, 0.4851

Protanopia

76.4418, 0.4151, 0.4557

Deuteranopia

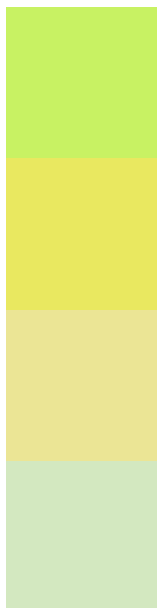
76.1873, 0.3680, 0.3731



Tritanopia

76.2825, 0.2948, 0.3099

Trichromacy



Original Color

76.6845, 0.3658, 0.4851

Protanomaly

75.8814, 0.3967, 0.4662

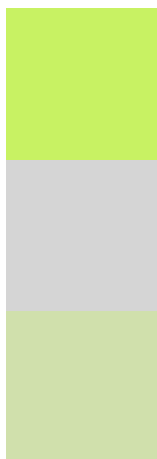
Deuteranomaly

75.8707, 0.3698, 0.4144

Tritanomaly

75.3679, 0.3236, 0.3739

Monochromacy



Original Color

76.6845, 0.3658, 0.4851

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

69.6998, 0.3356, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6845, 0.3658, 0.4851 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(200, 242, 99)` looks like.

```
.text, #text, p{  
    color:rgb(200, 242, 99)  
}
```

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(200, 242, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 242, 99) }
```

Border

The CSS property to change the border of an element to Yxy 76.6845, 0.3658, 0.4851 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(200, 242, 99) }
```

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

```
.border{ border-color:rgb(200, 242, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 242, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 242, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 242, 99);  
box-shadow:4px 4px 4px 4px rgb(200, 242,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6845, 0.3658, 0.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 242, 99) }
```

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

```
.background{ background-color: rgb(200,  
242, 99) }
```

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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