

Converting Colors

$Yxy(76.9484, 0.3773, 0.5075)$

Have a look what the booklet for
Yxy(76.9484, 0.3773, 0.5075)
contains.

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Color

Yxy(76.9484, 0.3773, 0.5075)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C9F345 |
| RGB | 201, 243, 69 |
| RGB Percent | 79%, 95%, 27% |
| CMY | 0.2119, 0.0470, 0.7294 |
| CMYK | 0.17, 0.00, 0.72, 0.05 |
| HSL | 74°, 88%, 61% |
| HSV | 74°, 72%, 95% |
| XYZ | 57.2072, 76.9484, 17.4669 |
| YIQ | 210.6060, 30.8220, -63.0180 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 69, 243, 111 |
| Decimal | 13235013 |
| CIELab | 90.30, -36.02, 74.60 |
| CIElCh | 90, 82.843, 115.775 |
| Yxy | 76.9484, 0.3773, 0.5075 |
| Android (android.graphics.Color) | 4291425093 (0xFFC9F345) |
| YUV | 210.6060, -69.8118, -8.4245 |
| Hunter-Lab | 87.7202, -37.1008, 49.5983 |

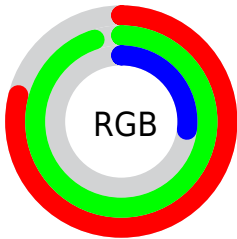
Details

The Yxy color **76.9484, 0.3773, 0.5075** is a light color, and the websafe version is hex **CCFF66**.

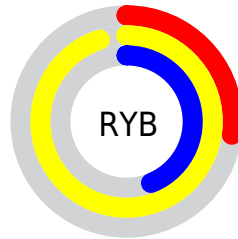
The color can be described as light washed yellow. A complement of this color would be **14.1103, 0.1986, 0.1127**, and the grayscale version is **65.3210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3385, 0.3860, 0.4501**, and **41.3803, 0.3782, 0.5379** is the 20% darker color. If you saturate the color by 10%, you get **75.9113, 0.3792, 0.5229**, and if you desaturate by 10%, it is **78.1470, 0.3728, 0.4877**.

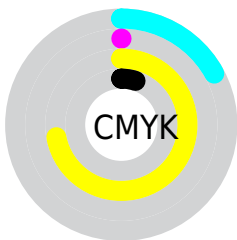
Distribution



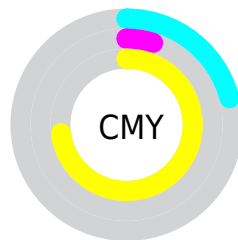
- Red (79%)
- Green (95%)
- Blue (27%)



- Red (27%)
- Yellow (95%)
- Blue (44%)



- Cyan (17%)
- Magenta (0%)
- Yellow (72%)
- Black (5%)




- Cyan (21%)
- Magenta (5%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9484, 0.3773, 0.5075 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 76.9484, 0.3773, 0.5075 by changing the saturation by 10% instead.


 76.9484, 0.3773,
0.5075


 76.9484, 0.3773,
0.5075


484.5881, 0.3550,
0.4255

 57.2105, 0.3798,
0.5247


 129.0666, 0.3715,
0.4800


 41.1743, 0.3815,
0.5449


 162.2158, 0.3687,
0.4690


 28.4553, 0.3814,
0.5684

 200.6042, 0.3660,
0.4593

 18.6692, 0.3777,
0.5953

 244.6161, 0.3634,
0.4509

 11.4315, 0.3698,
0.6302

 294.6361, 0.3611,
0.4434

 6.3578, 0.3434,
0.6566

351.0485, 0.3589,

 3.0639, 0.3024,

0.4368

0.6976

414.2377, 0.3568,
0.4309

■ 1.1652, 0.1491,
0.8509

■ 0.0330, 0.0000,
1.0000

■ 76.9484, 0.3773,
0.5075

■ 76.9484, 0.3773,
0.5075

■ 75.9113, 0.3792,
0.5229

■ 78.1470, 0.3728,
0.4877

■ 75.0088, 0.3786,
0.5335


■ 79.5105, 0.3659,
0.4643


■ 74.3363, 0.3765,
0.5393


■ 81.0543, 0.3573,
0.4386

■ 82.7894, 0.3473,
0.4117

 84.7254, 0.3365,
0.3846

 86.8715, 0.3255,
0.3581

 89.2361, 0.3145,
0.3329

 91.2736, 0.3087,
0.3173

 92.3632, 0.3125,
0.3175

Harmonies

Analogous

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



76.9484, 0.4559, 0.4610



76.9484, 0.3773, 0.5075



76.9484, 0.2872, 0.4911

Triad

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



76.9484, 0.3773, 0.5075



76.9484, 0.1527, 0.2216



76.9484, 0.4152, 0.2657

Complementary

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



76.9484, 0.3773, 0.5075



14.1103, 0.1986, 0.1127

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.



76.9484, 0.3144, 0.2178



76.9484, 0.3773, 0.5075



76.9484, 0.1743, 0.1909

Square

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



76.9484, 0.3773, 0.5075



76.9484, 0.1629, 0.2921



76.9484, 0.2282, 0.1914



76.9484, 0.4885, 0.3269

Rectangle

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



76.9484, 0.3773, 0.5075



76.9484, 0.2320, 0.4352



76.9484, 0.2282, 0.1914



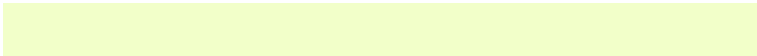
76.9484, 0.3823, 0.2477

Sweetspot

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



76.9519, 0.3773, 0.5075



94.6467, 0.3359, 0.3831



30.5531, 0.5227, 0.3665



20.1246, 0.3389, 0.3905



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.



76.9519, 0.3773, 0.5075



84.2052, 0.3793, 0.5284



68.2102, 0.3217, 0.5451



19.1001, 0.3231, 0.3526



40.8596, 0.3772, 0.5387



3.6383, 0.3827, 0.5344

Inverse Universe

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



14.1103, 0.1986, 0.1127



10.5716, 0.1767, 0.0821



22.5459, 0.2735, 0.1495



16.1200, 0.3017, 0.3048



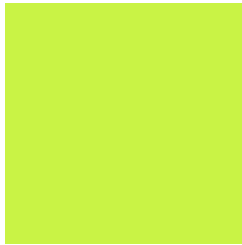
4.1088, 0.1636, 0.0675



0.4069, 0.1756, 0.0741

Previews

White Background



This preview shows how the Yxy color 76.9484, 0.3773, 0.5075 looks on a white background.

Color Contrast Check

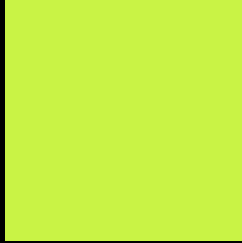
Large Text (above 18pt) WCAG AA × Fail

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 76.9484, 0.3773, 0.5075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

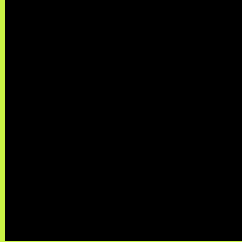
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9484, 0.3773, 0.5075

Background



This preview shows how black text looks on a background with the Yxy color 76.9484, 0.3773, 0.5075.



This preview shows how white text looks on a background with the Yxy color 76.9484, 0.3773, 0.5075.

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

76.9484, 0.3773, 0.5075

Protanopia

76.3907, 0.4283, 0.4722

Deuteranopia

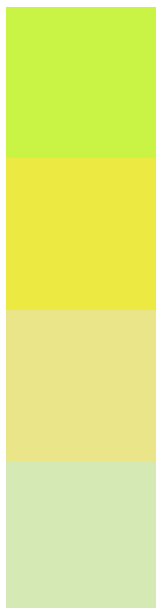
76.1075, 0.3694, 0.3752



Tritanopia

76.7464, 0.2968, 0.3100

Trichromacy



Original Color

76.9484, 0.3773, 0.5075

Protanomaly

76.3333, 0.4095, 0.4855

Deuteranomaly

75.5069, 0.3773, 0.4265

Tritanomaly

75.7602, 0.3319, 0.3873

Monochromacy



Original Color

76.9484, 0.3773, 0.5075

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

68.5440, 0.3436, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9484, 0.3773, 0.5075 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(201, 243, 69)` looks like.

```
.text, #text, p{  
    color:rgb(201, 243, 69)  
}
```

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(201, 243, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 243, 69) }
```

Border

The CSS property to change the border of an element to Yxy 76.9484, 0.3773, 0.5075 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(201, 243, 69) }
```

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

```
.border{ border-color:rgb(201, 243, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 243, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 243, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 243, 69);  
box-shadow:4px 4px 4px 4px rgb(201, 243,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9484, 0.3773, 0.5075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 243, 69) }
```

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

```
.background{ background-color: rgb(201,  
243, 69) }
```

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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