

Converting Colors

$Yxy(76.0990, 0.3571, 0.4883)$

Have a look what the booklet for
Yxy(76.0990, 0.3571, 0.4883)
contains.

Yxy(75.9879, 0.3574, 0.4881)	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(75.9879, 0.3574, 0.4881)

Conversions

Conversions Part 1

Format	Color
Hex	BEF365
RGB	190, 243, 101
RGB Percent	75%, 95%, 40%
CMY	0.2548, 0.0471, 0.6038
CMYK	0.22, 0.00, 0.58, 0.05
HSL	82°, 86%, 67%
HSV	82°, 58%, 95%
XYZ	55.6404, 75.9879, 24.0527
YIQ	210.9650, 13.9940, -55.3980

Conversions

Conversions Part 2

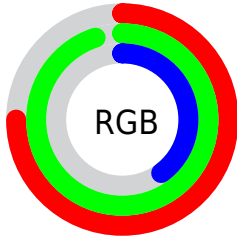
Format	Color
RYB	101, 243, 154
Decimal	12514149
CIELab	89.85, -38.00, 61.61
CIElCh	90, 72.382, 121.667
Yxy	75.9879, 0.3574, 0.4881
Android (android.graphics.Color)	4290704229 (0xFFBEF365)
YUV	210.9650, -54.2127, -18.3863
Hunter-Lab	87.1710, -38.6146, 44.6601

Details

The Yxy color **75.9879, 0.3574, 0.4881** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **22.6542, 0.2369, 0.1571**, and the grayscale version is **65.4817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0600, 0.3670, 0.4271**, and **40.7090, 0.3605, 0.5261** is the 20% darker color. If you saturate the color by 10%, you get **74.4514, 0.3604, 0.5118**, and if you desaturate by 10%, it is **77.7445, 0.3523, 0.4614**.

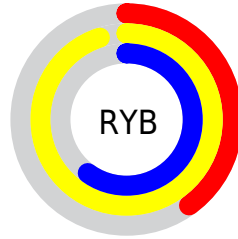
Distribution



Red (75%)

Green (95%)

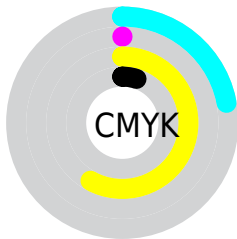
Blue (40%)



Red (40%)

Yellow (95%)

Blue (60%)

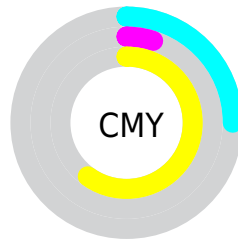


Cyan (22%)

Magenta (0%)

Yellow (58%)

Black (5%)



Cyan (25%)


Magenta (5%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9879, 0.3574, 0.4881 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 75.9879, 0.3574, 0.4881 by changing the saturation by 10% instead.


 75.9879, 0.3574,
0.4881

 75.9879, 0.3574,
0.4881


481.3063, 0.3417,
0.4127

 56.4226, 0.3593,
0.5050


 127.7098, 0.3532,
0.4621


 40.5418, 0.3608,
0.5254


 160.6352, 0.3512,
0.4519

 27.9613, 0.3610,
0.5503


 198.7827, 0.3493,
0.4431

 18.2965, 0.3587,
0.5808

 242.5368, 0.3475,
0.4354

 11.1630, 0.3521,
0.6203

292.2818, 0.3459,
0.4287

 6.1766, 0.3337,
0.6663


348.4021, 0.3444,

 2.9528, 0.2896,

0.4228

0.7104

411.2821, 0.3430,
0.4175

 1.1071, 0.0898,
0.9102


 0.0000, 0.0000,
0.0000


 75.9879, 0.3574,
0.4881


 75.9879, 0.3574,
0.4881


 74.4514, 0.3604,
0.5118


 77.7445, 0.3523,
0.4614


 73.1109, 0.3610,
0.5314


 79.7238, 0.3455,
0.4332


 71.9531, 0.3591,
0.5460


 81.9404, 0.3376,
0.4046

 70.9553, 0.3551,
0.5555

 84.4048, 0.3290,
0.3766

 70.8078, 0.3544,
0.5568

 87.1267, 0.3201,
0.3500

 90.1153, 0.3113,
0.3252

 92.2964, 0.3123,
0.3175

 92.5807, 0.3133,
0.3175

Harmonies

Analogous

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



75.9879, 0.4306, 0.4594



75.9879, 0.3574, 0.4881



75.9879, 0.2767, 0.4571

Triad

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



75.9879, 0.3574, 0.4881



75.9879, 0.1698, 0.2260



75.9879, 0.4188, 0.2833

Complementary

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



75.9879, 0.3574, 0.4881



22.6542, 0.2369, 0.1571

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.



75.9879, 0.3323, 0.2362



75.9879, 0.3574, 0.4881



75.9879, 0.1955, 0.2029

Square

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



75.9879, 0.3574, 0.4881



75.9879, 0.1740, 0.2828



75.9879, 0.2510, 0.2077



75.9879, 0.4743, 0.3413

Rectangle

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



75.9879, 0.3574, 0.4881



75.9879, 0.2295, 0.4030



75.9879, 0.2510, 0.2077



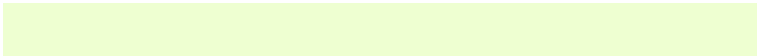
75.9879, 0.3915, 0.2660

Sweetspot

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



75.9913, 0.3574, 0.4881



94.2836, 0.3287, 0.3756



42.8048, 0.4551, 0.3841



20.0019, 0.3312, 0.3836



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.



75.9913, 0.3574, 0.4881



82.7905, 0.3607, 0.5156



69.0309, 0.3131, 0.5129



18.9866, 0.3211, 0.3528



38.9416, 0.3553, 0.5561



3.4811, 0.3633, 0.5497

Inverse Universe

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



22.6542, 0.2369, 0.1571



18.3070, 0.2181, 0.1247



31.6423, 0.3010, 0.1846



16.2279, 0.3038, 0.3049



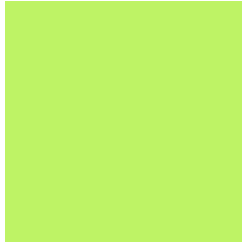
4.8336, 0.1802, 0.0766



0.4814, 0.1940, 0.0842

Previews

White Background



This preview shows how the Yxy color 75.9879, 0.3574, 0.4881 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 75.9879, 0.3574, 0.4881 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 75.9879, 0.3574, 0.4881

Background



This preview shows how black text looks on a background with the Yxy color 75.9879, 0.3574, 0.4881.



This preview shows how white text looks on a background with the Yxy color 75.9879, 0.3574, 0.4881.

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

75.9879, 0.3574, 0.4881

Protanopia

75.5612, 0.4132, 0.4543

Deuteranopia

75.0182, 0.3707, 0.3743



Tritanopia

75.5505, 0.2885, 0.3096

Trichromacy



Original Color

75.9879, 0.3574, 0.4881



Protanomaly

75.0890, 0.3920, 0.4668



Deuteranomaly

74.6138, 0.3677, 0.4155



Tritanomaly

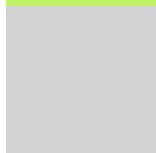
74.5456, 0.3160, 0.3747

Monochromacy



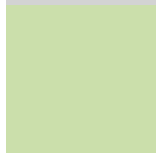
Original Color

75.9879, 0.3574, 0.4881



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.4121, 0.3327, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9879, 0.3574, 0.4881 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(190, 243, 101)` looks like.

```
.text, #text, p{  
    color:rgb(190, 243, 101)  
}
```

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(190, 243, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 243, 101) }
```

Border

The CSS property to change the border of an element to Yxy 75.9879, 0.3574, 0.4881 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(190, 243, 101) }
```

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

```
.border{ border-color:rgb(190, 243, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 243, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 243, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 243, 101);  
box-shadow:4px 4px 4px 4px rgb(190, 243,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9879, 0.3574, 0.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 243, 101) }
```

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

```
.background{ background-color: rgb(190,  
243, 101) }
```

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