

Converting Colors

$Yxy(76.3351, 0.3568, 0.4701)$

Have a look what the booklet for
Yxy(76.3351, 0.3568, 0.4701)
contains.

Yxy(76.1773, 0.3568, 0.4695)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.1773, 0.3568, 0.4695)

Conversions

Conversions Part 1

Format	Color
Hex	C6F174
RGB	198, 241, 116
RGB Percent	78%, 95%, 45%
CMY	0.2237, 0.0549, 0.5450
CMYK	0.18, 0.00, 0.52, 0.05
HSL	81°, 82%, 70%
HSV	81°, 52%, 95%
XYZ	57.8915, 76.1773, 28.1832
YIQ	213.8930, 14.4970, -47.9910

Conversions

Conversions Part 2

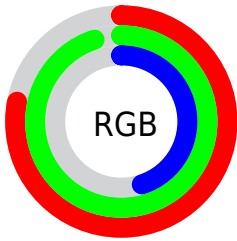
Format	Color
RYB	116, 241, 159
Decimal	13037940
CIELab	89.94, -32.81, 55.20
CIElCh	90, 64.214, 120.728
Yxy	76.1773, 0.3568, 0.4695
Android (android.graphics.Color)	4291228020 (0xFFC6F174)
YUV	213.8930, -48.2612, -13.9382
Hunter-Lab	87.2796, -34.3424, 41.9506

Details

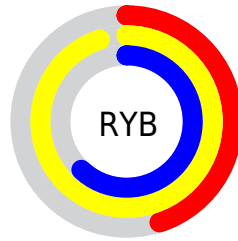
The Yxy color **76.1773, 0.3568, 0.4695** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **26.2272, 0.2445, 0.1760**, and the grayscale version is **67.4928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7203, 0.3626, 0.4115**, and **40.7965, 0.3624, 0.5033** is the 20% darker color. If you saturate the color by 10%, you get **74.5935, 0.3618, 0.4948**, and if you desaturate by 10%, it is **77.9752, 0.3500, 0.4421**.

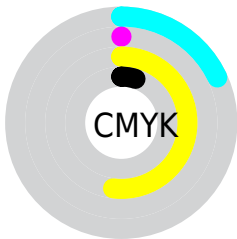
Distribution



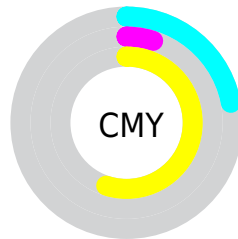
- Red (78%)
- Green (95%)
- Blue (45%)



- Red (45%)
- Yellow (95%)
- Blue (62%)



- Cyan (18%)
- Magenta (0%)
- Yellow (52%)
- Black (5%)




- Cyan (22%)
- Magenta (5%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1773, 0.3568, 0.4695 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 76.1773, 0.3568, 0.4695 by changing the saturation by 10% instead.

 76.1773, 0.3568,
0.4695

 76.1773, 0.3568,
0.4695


481.9544, 0.3401,
0.4030


 56.5779, 0.3594,
0.4845


 127.9775, 0.3519,
0.4464

 40.6665, 0.3619,
0.5029


 160.9471, 0.3498,
0.4374

 28.0585, 0.3638,
0.5255


 199.1422, 0.3478,
0.4297

 18.3698, 0.3642,
0.5537

242.9472, 0.3459,
0.4229

 11.2158, 0.3609,
0.5889

292.7466, 0.3443,
0.4170

 6.2122, 0.3557,
0.6443


348.9246, 0.3428,

 2.9745, 0.3176,


0.4118


0.6824


411.8658, 0.3414,
0.4071


 1.1184, 0.1798,
0.8202

 0.0000, 0.0000,
0.0000


 76.1773, 0.3568,
0.4695


 76.1773, 0.3568,
0.4695


 74.5935, 0.3618,
0.4948


 77.9752, 0.3500,
0.4421


 73.2011, 0.3645,
0.5166


 79.9882, 0.3419,
0.4139

 71.9893, 0.3646,
0.5340


 82.2299, 0.3330,
0.3859

 70.9412, 0.3623,
0.5463

 84.7100, 0.3237,
0.3589

 70.1876, 0.3590,
0.5531

 87.4374, 0.3144,
0.3335

 90.0519, 0.3087,
0.3154

 91.3975, 0.3133,
0.3156

Harmonies

Analogous

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



76.1773, 0.4216, 0.4460



76.1773, 0.3568, 0.4695



76.1773, 0.2840, 0.4424

Triad

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



76.1773, 0.3568, 0.4695



76.1773, 0.1829, 0.2383



76.1773, 0.4047, 0.2870

Complementary

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



76.1773, 0.3568, 0.4695



26.2272, 0.2445, 0.1760

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.



76.1773, 0.3282, 0.2441



76.1773, 0.3568, 0.4695



76.1773, 0.2058, 0.2154

Square

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



76.1773, 0.3568, 0.4695



76.1773, 0.1881, 0.2913



76.1773, 0.2558, 0.2186



76.1773, 0.4553, 0.3402

Rectangle

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



76.1773, 0.3568, 0.4695



76.1773, 0.2408, 0.3966



76.1773, 0.2558, 0.2186



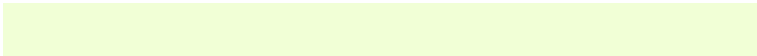
76.1773, 0.3806, 0.2711

Sweetspot

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



76.1807, 0.3568, 0.4695



95.0771, 0.3276, 0.3701



44.3124, 0.4363, 0.3746



20.2261, 0.3296, 0.3756



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.



76.1807, 0.3568, 0.4695



84.7367, 0.3619, 0.4955



69.4856, 0.3163, 0.4894



18.1707, 0.3215, 0.3527



38.1346, 0.3600, 0.5524



3.2273, 0.3679, 0.5461

Inverse Universe

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



26.2272, 0.2445, 0.1760



22.3636, 0.2273, 0.1447



34.0929, 0.2990, 0.1972



15.4933, 0.3033, 0.3050



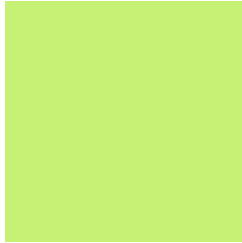
4.5083, 0.1761, 0.0744



0.4282, 0.1905, 0.0823

Previews

White Background



This preview shows how the Yxy color 76.1773, 0.3568, 0.4695 looks on a white background.

Color Contrast Check

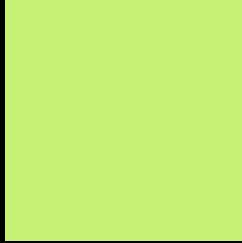
Large Text (above 18pt) WCAG AA × Fail

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 76.1773, 0.3568, 0.4695 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 76.1773, 0.3568, 0.4695

Background



This preview shows how black text looks on a background with the Yxy color 76.1773, 0.3568, 0.4695.

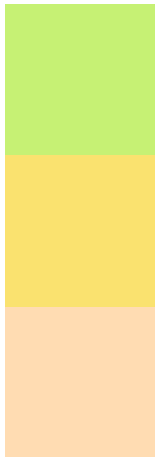


This preview shows how white text looks on a background with the Yxy color 76.1773, 0.3568, 0.4695.

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

76.1773, 0.3568, 0.4695

Protanopia

75.8644, 0.4055, 0.4427

Deuteranopia

75.6608, 0.3683, 0.3721



Tritanopia

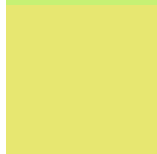
75.8269, 0.2929, 0.3098

Trichromacy



Original Color

76.1773, 0.3568, 0.4695



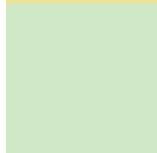
Protanomaly

75.3330, 0.3872, 0.4522



Deuteranomaly

75.3458, 0.3655, 0.4074



Tritanomaly

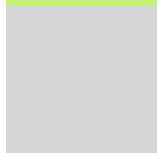
75.2003, 0.3177, 0.3672

Monochromacy



Original Color

76.1773, 0.3568, 0.4695



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

69.9356, 0.3316, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1773, 0.3568, 0.4695 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(198, 241, 116)` looks like.

```
.text, #text, p{  
    color:rgb(198, 241, 116)  
}
```

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(198, 241, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 241, 116) }
```

Border

The CSS property to change the border of an element to Yxy 76.1773, 0.3568, 0.4695 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(198, 241, 116) }
```

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

```
.border{ border-color:rgb(198, 241, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 241, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 241, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 241, 116);  
box-shadow:4px 4px 4px 4px rgb(198, 241,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1773, 0.3568, 0.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 241, 116) }
```

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

```
.background{ background-color: rgb(198,  
241, 116) }
```

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