

Converting Colors

$Yxy(80.6340, 0.3742, 0.5411)$

Have a look what the booklet for
Yxy(80.6340, 0.3742, 0.5411)
contains.

Yxy(80.3122, 0.3742, 0.5411)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.3122, 0.3742, 0.5411)

Conversions

Conversions Part 1

Format	Color
Hex	BCFC00
RGB	188, 252, 0
RGB Percent	74%, 99%, 0%
CMY	0.2629, 0.0117, 1.0000
CMYK	0.25, 0.00, 1.00, 0.01
HSL	75°, 100%, 49%
HSV	75°, 100%, 99%
XYZ	55.5402, 80.3122, 12.5715
YIQ	204.1360, 42.7480, -91.9400

Conversions

Conversions Part 2

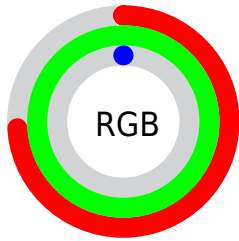
Format	Color
RYB	0, 252, 64
Decimal	12385280
CIELab	91.82, -46.75, 88.52
CIELCh	92, 100.102, 117.839
Yxy	80.3122, 0.3742, 0.5411
Android (android.graphics.Color)	4290575360 (0xFFBCFC00)
YUV	204.1360, -100.6390, -14.1513
Hunter-Lab	89.6171, -46.2044, 54.4147

Details

The Yxy color **80.3122, 0.3742, 0.5411** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **8.1214, 0.1635, 0.0674**, and the grayscale version is **61.0996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4679, 0.3967, 0.4774**, and **43.6194, 0.3599, 0.5524** is the 20% darker color. If you saturate the color by 10%, you get **80.3159, 0.3742, 0.5411**, and if you desaturate by 10%, it is **81.2185, 0.3768, 0.5338**.

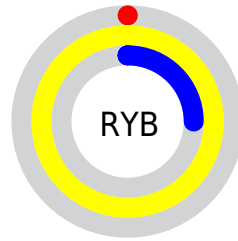
Distribution



Red (74%)

Green (99%)

Blue (0%)



Red (0%)

Yellow (99%)

Blue (25%)

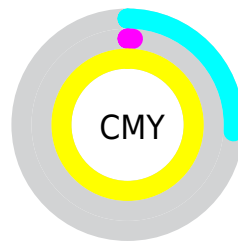


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (26%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3122, 0.3742, 0.5411 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 80.3122, 0.3742, 0.5411 by changing the saturation by 10% instead.

 80.3122, 0.3742,
0.5411


 80.3122, 0.3742,
0.5411


 495.9843, 0.3575,
0.4455


 59.9753, 0.3743,
0.5602


 133.8046, 0.3713,
0.5097


 43.3987, 0.3725,
0.5820


 167.7288, 0.3694,
0.4969

 30.1981, 0.3675,
0.6065


 206.9510, 0.3673,
0.4857

 19.9890, 0.3598,
0.6384

 251.8555, 0.3652,
0.4757

 12.3870, 0.3376,
0.6624

 302.8267, 0.3632,
0.4669

 7.0078, 0.3053,
0.6947

 360.2489, 0.3612,

 3.4670, 0.2565,

0.4590

0.7435

424.5067, 0.3593,
0.4519

■ 1.3801, 0.0695,
0.9305

■ 0.2020, 0.0000,
1.0000

■ 80.3122, 0.3742,
0.5411

■ 80.3122, 0.3742,
0.5411

■ 80.3159, 0.3742,
0.5411

■ 81.2185, 0.3768,
0.5338

■ 82.2494, 0.3773,
0.5223

■ 83.4371, 0.3752,
0.5059

■ 84.7991, 0.3705,
0.4852

■ 86.3504, 0.3636,
0.4611

■ 88.1038, 0.3549,
0.4349

■ 90.0710, 0.3450,
0.4076

■ 92.2627, 0.3344,
0.3804

■ 94.6888, 0.3235,
0.3540

Harmonies

Analogous

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



80.3122, 0.4679, 0.4805



80.3122, 0.3742, 0.5411



80.3122, 0.2713, 0.5222

Triad

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



80.3122, 0.3742, 0.5411



80.3122, 0.1314, 0.1992



80.3122, 0.4416, 0.2589

Complementary

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



80.3122, 0.3742, 0.5411



8.1214, 0.1635, 0.0674

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.



80.3122, 0.3213, 0.2045



80.3122, 0.3742, 0.5411



80.3122, 0.1575, 0.1698

Square

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



80.3122, 0.3742, 0.5411



80.3122, 0.1386, 0.2749



80.3122, 0.2196, 0.1733



80.3122, 0.5240, 0.3268

Rectangle

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



80.3122, 0.3742, 0.5411



80.3122, 0.2100, 0.4492



80.3122, 0.2196, 0.1733



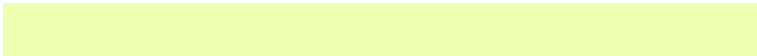
80.3122, 0.4025, 0.2387

Sweetspot

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



80.3159, 0.3742, 0.5411



92.5109, 0.3450, 0.4077



24.2538, 0.6107, 0.3533



19.6128, 0.3493, 0.4192



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.



80.3159, 0.3742, 0.5411



82.4900, 0.3742, 0.5411



70.6876, 0.3091, 0.5927



19.9557, 0.3229, 0.3527



41.9054, 0.3750, 0.5405



3.9315, 0.3805, 0.5361

Inverse Universe

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



8.1214, 0.1635, 0.0674



8.3378, 0.1634, 0.0674



17.8496, 0.2572, 0.1191



16.8562, 0.3019, 0.3047



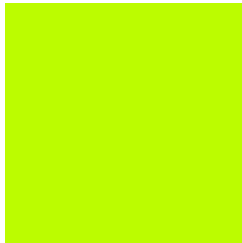
4.2887, 0.1648, 0.0682



0.4454, 0.1764, 0.0746

Previews

White Background



This preview shows how the Yxy color 80.3122, 0.3742, 0.5411 looks on a white background.

Color Contrast Check

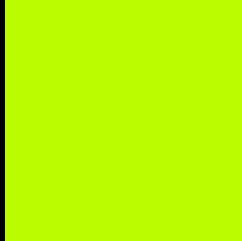
Large Text (above 18pt) WCAG AA × Fail

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 80.3122, 0.3742, 0.5411 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 80.3122, 0.3742, 0.5411

Background



This preview shows how black text looks on a background with the Yxy color 80.3122, 0.3742, 0.5411.



This preview shows how white text looks on a background with the Yxy color 80.3122, 0.3742, 0.5411.

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

80.3122, 0.3742, 0.5411

Protanopia

79.4945, 0.4081, 0.4473

Deuteranopia

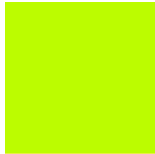
79.2836, 0.3595, 0.3677



Tritanopia

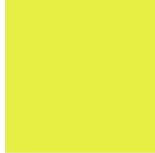
79.7864, 0.2866, 0.3090

Trichromacy



Original Color

80.3122, 0.3742, 0.5411



Protanomaly

79.1516, 0.4017, 0.4900



Deuteranomaly

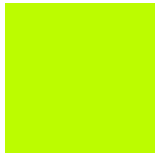
77.7617, 0.3816, 0.4492



Tritanomaly

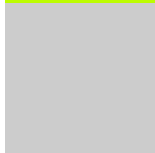
78.1803, 0.3357, 0.4198

Monochromacy



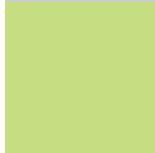
Original Color

80.3122, 0.3742, 0.5411



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.3304, 0.3558, 0.4372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3122, 0.3742, 0.5411 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(188, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 252, 0)  
}
```

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(188, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 252, 0) }
```

Border

The CSS property to change the border of an element to Yxy 80.3122, 0.3742, 0.5411 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(188, 252, 0) }
```

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

```
.border{ border-color:rgb(188, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(188, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 252,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3122, 0.3742, 0.5411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 252, 0) }
```

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

```
.background{ background-color: rgb(188,  
252, 0) }
```

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