

Converting Colors

$Y_{xy}(70.7714, 0.3791, 0.5372)$

Have a look what the booklet for
Yxy(70.7714, 0.3791, 0.5372)
contains.

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Color

Yxy(70.6357, 0.3789, 0.5373)

Conversions

Conversions Part 1

Format	Color
Hex	B7ED00
RGB	183, 237, 0
RGB Percent	72%, 93%, 0%
CMY	0.2824, 0.0706, 0.9988
CMYK	0.23, 0.00, 1.00, 0.07
HSL	74°, 100%, 47%
HSV	74°, 100%, 93%
XYZ	49.8118, 70.6357, 11.0167
YIQ	193.8360, 43.8930, -85.1550

Conversions

Conversions Part 2

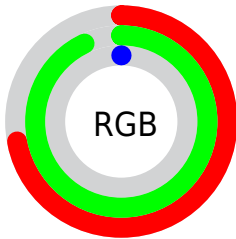
Format	Color
RYB	0, 237, 54
Decimal	12053760
CIELab	87.31, -42.17, 84.92
CIElCh	87, 94.816, 116.409
Yxy	70.6357, 0.3789, 0.5373
Android (android.graphics.Color)	4290243840 (0xFFB7ED00)
YUV	193.8360, -95.5611, -9.5032
Hunter-Lab	84.0450, -41.2855, 51.0597

Details

The Yxy color **70.6357, 0.3789, 0.5373** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **6.9151, 0.1613, 0.0663**, and the grayscale version is **54.4252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3300, 0.3937, 0.4819**, and **37.3328, 0.3649, 0.5485** is the 20% darker color. If you saturate the color by 10%, you get **70.6294, 0.3789, 0.5374**, and if you desaturate by 10%, it is **71.3802, 0.3810, 0.5303**.

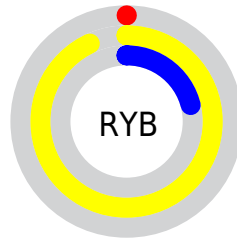
Distribution



Red (72%)

Green (93%)

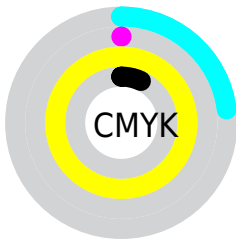
Blue (0%)



Red (0%)

Yellow (93%)

Blue (21%)

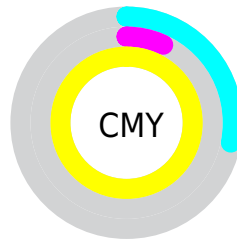


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (28%)


Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6357, 0.3789, 0.5373 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 70.6357, 0.3789, 0.5373 by changing the saturation by 10% instead.


 70.6357, 0.3789,
0.5373

 70.6357, 0.3789,
0.5373


462.7789, 0.3593,
0.4417


 52.0450, 0.3795,
0.5567


 120.1149, 0.3751,
0.5057

 37.0409, 0.3782,
0.5788


 151.7721, 0.3727,
0.4928


 25.2392, 0.3733,
0.6035


 188.5535, 0.3702,
0.4816

 16.2553, 0.3648,
0.6352

 230.8437, 0.3678,
0.4716

 9.7050, 0.3409,
0.6591

 279.0269, 0.3655,
0.4628

 5.2038, 0.3060,
0.6940

 333.4876, 0.3633,

 2.3673, 0.2506,

0.4550

0.7494

394.6101, 0.3612,
0.4480

■ 0.8090, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.6357, 0.3789,
0.5373

■ 70.6357, 0.3789,
0.5373

■ 70.6294, 0.3789,
0.5374

■ 71.3802, 0.3810,
0.5303

■ 72.2271, 0.3810,
0.5191

■ 73.2042, 0.3783,
0.5031

■ 74.3265, 0.3731,
0.4829

■ 75.6064, 0.3657,
0.4593

■ 77.0551, 0.3565,
0.4335

■ 78.6824, 0.3461,
0.4067

■ 80.4974, 0.3350,
0.3797

■ 82.5085, 0.3237,
0.3536

Harmonies

Analogous

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



70.6357, 0.4707, 0.4759



70.6357, 0.3789, 0.5373



70.6357, 0.2768, 0.5232

Triad

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



70.6357, 0.3789, 0.5373



70.6357, 0.1324, 0.2030



70.6357, 0.4349, 0.2567

Complementary

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



70.6357, 0.3789, 0.5373



6.9151, 0.1613, 0.0663

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.



70.6357, 0.3157, 0.2035



70.6357, 0.3789, 0.5373



70.6357, 0.1568, 0.1717

Square

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



70.6357, 0.3789, 0.5373



70.6357, 0.1414, 0.2806



70.6357, 0.2167, 0.1738



70.6357, 0.5195, 0.3238

Rectangle

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



70.6357, 0.3789, 0.5373



70.6357, 0.2152, 0.4539



70.6357, 0.2167, 0.1738



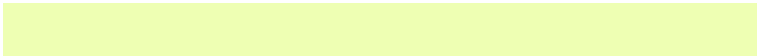
70.6357, 0.3958, 0.2369

Sweetspot

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



70.6389, 0.3789, 0.5373



92.8522, 0.3464, 0.4073



20.4265, 0.6166, 0.3485



19.6950, 0.3509, 0.4188



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.



70.6389, 0.3789, 0.5373



83.3637, 0.3787, 0.5375



61.7797, 0.3119, 0.5905



17.4436, 0.3233, 0.3525



38.6201, 0.3795, 0.5368



3.0748, 0.3853, 0.5323

Inverse Universe

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



6.9151, 0.1613, 0.0663



8.1255, 0.1609, 0.0660



14.6614, 0.2493, 0.1147



14.7147, 0.3015, 0.3049



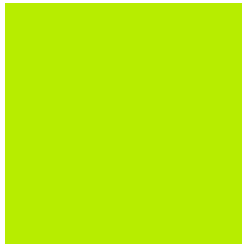
3.8163, 0.1625, 0.0669



0.3419, 0.1757, 0.0742

Previews

White Background



This preview shows how the Yxy color 70.6357, 0.3789, 0.5373 looks on a white background.

Color Contrast Check

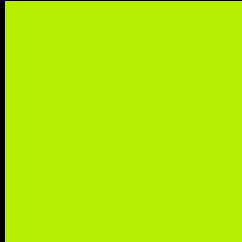
Large Text (above 18pt) WCAG AA × Fail

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 70.6357, 0.3789, 0.5373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

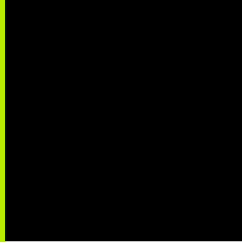
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6357, 0.3789, 0.5373

Background



This preview shows how black text looks on a background with the Yxy color 70.6357, 0.3789, 0.5373.



This preview shows how white text looks on a background with the Yxy color 70.6357, 0.3789, 0.5373.

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

70.6357, 0.3789, 0.5373

Protanopia

70.2559, 0.4404, 0.4885

Deuteranopia

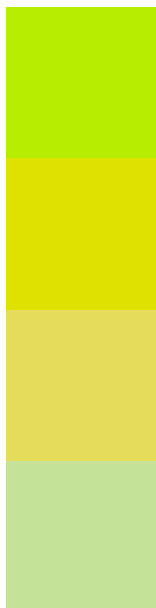
69.8317, 0.3968, 0.3987



Tritanopia

70.1968, 0.2903, 0.3091

Trichromacy



Original Color

70.6357, 0.3789, 0.5373

Protanomaly

70.0807, 0.4170, 0.5071

Deuteranomaly

68.5997, 0.4030, 0.4623

Tritanomaly

68.3955, 0.3392, 0.4170

Monochromacy



Original Color

70.6357, 0.3789, 0.5373

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

58.4956, 0.3569, 0.4357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6357, 0.3789, 0.5373 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(183, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 237, 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(183, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 237, 0) }
```

Border

The CSS property to change the border of an element to Yxy 70.6357, 0.3789, 0.5373 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(183, 237, 0) }
```

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

```
.border{ border-color:rgb(183, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(183, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 237,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6357, 0.3789, 0.5373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 237, 0) }
```

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

```
.background{ background-color: rgb(183,  
237, 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](#).

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