

Converting Colors

$Yxy(73.4673, 0.3745, 0.5409)$

Have a look what the booklet for
Yxy(73.4673, 0.3745, 0.5409)
contains.

Yxy(73.3280, 0.3747, 0.5407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.3280, 0.3747, 0.5407)

Conversions

Conversions Part 1

Format	Color
Hex	B5F200
RGB	181, 242, 0
RGB Percent	71%, 95%, 0%
CMY	0.2900, 0.0510, 1.0000
CMYK	0.25, 0.00, 1.00, 0.05
HSL	75°, 100%, 47%
HSV	75°, 100%, 95%
XYZ	50.8156, 73.3280, 11.4732
YIQ	196.1730, 41.3260, -88.1940

Conversions

Conversions Part 2

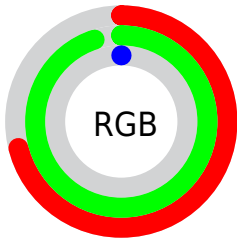
Format	Color
RYB	0, 242, 61
Decimal	11923968
CIELab	88.60, -45.07, 85.89
CIELCh	89, 96.993, 117.688
Yxy	73.3280, 0.3747, 0.5407
Android (android.graphics.Color)	4290114048 (0xFFB5F200)
YUV	196.1730, -96.7133, -13.3067
Hunter-Lab	85.6318, -43.9301, 51.9984

Details

The Yxy color **73.3280, 0.3747, 0.5407** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle saturated chartreuse. A complement of this color would be **7.4012, 0.1634, 0.0674**, and the grayscale version is **55.8920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1700, 0.3926, 0.4817**, and **39.2554, 0.3600, 0.5524** is the 20% darker color. If you saturate the color by 10%, you get **73.3314, 0.3747, 0.5407**, and if you desaturate by 10%, it is **74.1514, 0.3773, 0.5334**.

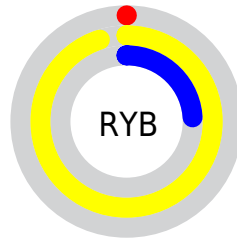
Distribution



Red (71%)

Green (95%)

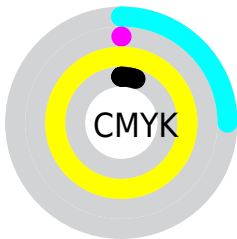
Blue (0%)



Red (0%)

Yellow (95%)

Blue (24%)

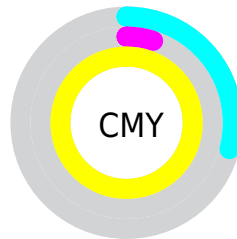


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (29%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.3280, 0.3747, 0.5407 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 73.3280, 0.3747, 0.5407 by changing the saturation by 10% instead.


 73.3280, 0.3747,
0.5407

 73.3280, 0.3747,
0.5407


472.1508, 0.3573,
0.4437

 54.2442, 0.3748,
0.5604

 123.9427, 0.3716,
0.5086


 38.7969, 0.3730,
0.5829


 156.2425, 0.3696,
0.4956

 26.6018, 0.3675,
0.6082


 193.7163, 0.3674,
0.4841

 17.2744, 0.3588,
0.6412

 236.7486, 0.3652,
0.4741

 10.4303, 0.3344,
0.6656

 285.7239, 0.3631,
0.4651

 5.6852, 0.2990,
0.7010


 341.0264, 0.3611,

 2.6546, 0.2441,


0.4572


0.7559


403.0406, 0.3591,
0.4501


 0.9542, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 73.3280, 0.3747,
0.5407


 73.3280, 0.3747,
0.5407

 73.3314, 0.3747,
0.5407

 74.1514, 0.3773,
0.5334

 75.0873, 0.3777,
0.5218

 76.1653, 0.3755,
0.5054

 77.4013, 0.3707,
0.4847

■ 78.8086, 0.3637,
0.4607

■ 80.3990, 0.3550,
0.4346

■ 82.1830, 0.3451,
0.4074

■ 84.1702, 0.3344,
0.3803

■ 86.3696, 0.3235,
0.3540

Harmonies

Analogous

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



73.3280, 0.4682, 0.4800



73.3280, 0.3747, 0.5407



73.3280, 0.2719, 0.5223

Triad

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



73.3280, 0.3747, 0.5407



73.3280, 0.1315, 0.1996



73.3280, 0.4409, 0.2587

Complementary

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



73.3280, 0.3747, 0.5407



7.4012, 0.1634, 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.



73.3280, 0.3207, 0.2044



73.3280, 0.3747, 0.5407



73.3280, 0.1574, 0.1700

Square

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



73.3280, 0.3747, 0.5407



73.3280, 0.1389, 0.2755



73.3280, 0.2193, 0.1734



73.3280, 0.5235, 0.3265

Rectangle

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



73.3280, 0.3747, 0.5407



73.3280, 0.2106, 0.4497



73.3280, 0.2193, 0.1734



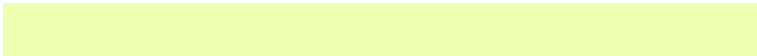
73.3280, 0.4018, 0.2385

Sweetspot

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



73.3314, 0.3747, 0.5407



92.5414, 0.3451, 0.4077



22.1609, 0.6104, 0.3536



19.6202, 0.3495, 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.



73.3314, 0.3747, 0.5407



82.5668, 0.3746, 0.5408



64.4786, 0.3092, 0.5927



18.2470, 0.3229, 0.3526



39.4635, 0.3754, 0.5401



3.3297, 0.3815, 0.5353

Inverse Universe

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



7.4012, 0.1634, 0.0674



8.3176, 0.1632, 0.0673



16.2946, 0.2573, 0.1191



15.4211, 0.3019, 0.3049



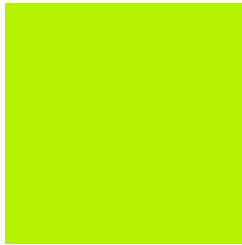
4.0305, 0.1647, 0.0681



0.3809, 0.1777, 0.0753

Previews

White Background



This preview shows how the Yxy color 73.3280, 0.3747, 0.5407 looks on a white background.

Color Contrast Check

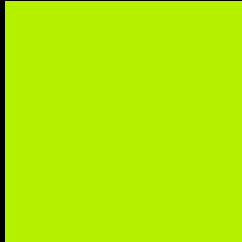
Large Text (above 18pt) WCAG AA × Fail

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 73.3280, 0.3747, 0.5407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

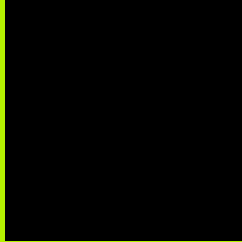
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.3280, 0.3747, 0.5407

Background



This preview shows how black text looks on a background with the Yxy color 73.3280, 0.3747, 0.5407.



This preview shows how white text looks on a background with the Yxy color 73.3280, 0.3747, 0.5407.

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

73.3280, 0.3747, 0.5407

Protanopia

72.5665, 0.4409, 0.4881

Deuteranopia

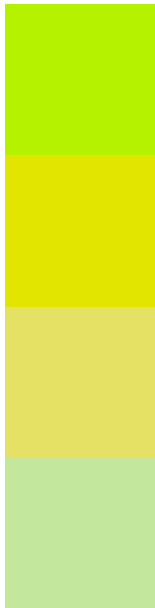
72.2952, 0.3851, 0.3887



Tritanopia

73.0180, 0.2869, 0.3093

Trichromacy



Original Color

73.3280, 0.3747, 0.5407

Protanomaly

72.0462, 0.4163, 0.5077

Deuteranomaly

71.2645, 0.3948, 0.4596

Tritanomaly

71.1205, 0.3356, 0.4187

Monochromacy



Original Color

73.3280, 0.3747, 0.5407

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

60.1455, 0.3561, 0.4372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3280, 0.3747, 0.5407 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(181, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 242, 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(181, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 73.3280, 0.3747, 0.5407 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(181, 242, 0) }
```

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

```
.border{ border-color:rgb(181, 242, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 242, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 242,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3280, 0.3747, 0.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 242, 0) }
```

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

```
.background{ background-color: rgb(181,  
242, 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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