

Converting Colors

$Yxy(78.0629, 0.3641, 0.5274)$

Have a look what the booklet for
Yxy(78.0629, 0.3641, 0.5274)
contains.

Yxy(77.9919, 0.3643, 0.5270)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.9919, 0.3643, 0.5270)

Conversions

Conversions Part 1

Format	Color
Hex	B6F939
RGB	182, 249, 57
RGB Percent	71%, 98%, 22%
CMY	0.2861, 0.0235, 0.7763
CMYK	0.27, 0.00, 0.77, 0.02
HSL	81°, 94%, 60%
HSV	81°, 77%, 98%
XYZ	53.9136, 77.9919, 16.0868
YIQ	207.0790, 21.7000, -73.9160

Conversions

Conversions Part 2

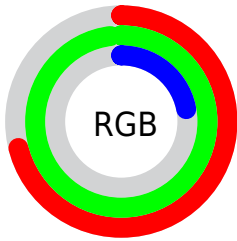
Format	Color
RYB	57, 249, 124
Decimal	11991353
CIELab	90.78, -46.35, 78.37
CIELCh	91, 91.046, 120.601
Yxy	77.9919, 0.3643, 0.5270
Android (android.graphics.Color)	4290181433 (0xFFB6F939)
YUV	207.0790, -73.9889, -21.9943
Hunter-Lab	88.3130, -45.5766, 51.0191

Details

The Yxy color **77.9919, 0.3643, 0.5270** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **14.0534, 0.2038, 0.1066**, and the grayscale version is **62.9357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7292, 0.3812, 0.4619**, and **41.9102, 0.3574, 0.5544** is the 20% darker color. If you saturate the color by 10%, you get **76.7794, 0.3631, 0.5418**, and if you desaturate by 10%, it is **79.3986, 0.3630, 0.5073**.

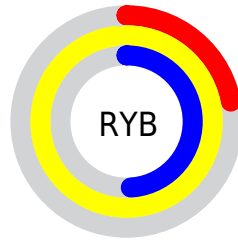
Distribution



Red (71%)

Green (98%)

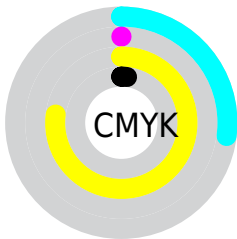
Blue (22%)



Red (22%)

Yellow (98%)

Blue (49%)

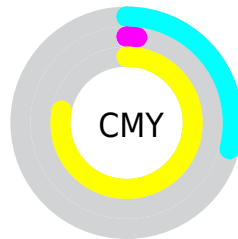


Cyan (27%)

Magenta (0%)

Yellow (77%)

Black (2%)



Cyan (29%)


Magenta (2%)


Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9919, 0.3643, 0.5270 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 77.9919, 0.3643, 0.5270 by changing the saturation by 10% instead.


 77.9919, 0.3643,
0.5270


 77.9919, 0.3643,
0.5270


488.1393, 0.3494,
0.4351

 58.0673, 0.3648,
0.5465


 130.5387, 0.3614,
0.4960


 41.8628, 0.3638,
0.5692


 163.9297, 0.3596,
0.4837


 28.9939, 0.3601,
0.5958


 202.5783, 0.3577,
0.4729

 19.0762, 0.3519,
0.6270

 246.8690, 0.3559,
0.4634

 11.7253, 0.3361,
0.6639

 297.1860, 0.3542,
0.4551

 6.5569, 0.3027,
0.6973


353.9138, 0.3525,


 3.1866, 0.2519,


0.4477


0.7481

417.4368, 0.3509,
0.4411


 1.2299, 0.0020,
0.9980

 0.0859, 0.0000,
1.0000


 77.9919, 0.3643,
0.5270


 77.9919, 0.3643,
0.5270


 76.7794, 0.3631,
0.5418


 79.3986, 0.3630,
0.5073


 75.7295, 0.3595,
0.5515

 81.0060, 0.3593,
0.4836


 75.4464, 0.3582,
0.5538


 82.8320, 0.3535,
0.4570

 84.8895, 0.3461,
0.4290

 87.1901, 0.3376,
0.4007

 89.7447, 0.3285,
0.3730

 92.5632, 0.3192,
0.3466

 95.5755, 0.3108,
0.3232

 96.2294, 0.3130,
0.3233

Harmonies

Analogous

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



77.9919, 0.4530, 0.4796



77.9919, 0.3643, 0.5270



77.9919, 0.2679, 0.4971

Triad

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



77.9919, 0.3643, 0.5270



77.9919, 0.1431, 0.2045



77.9919, 0.4408, 0.2699

Complementary

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



77.9919, 0.3643, 0.5270



14.0534, 0.2038, 0.1066

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.



77.9919, 0.3314, 0.2164



77.9919, 0.3643, 0.5270



77.9919, 0.1711, 0.1789

Square

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



77.9919, 0.3643, 0.5270



77.9919, 0.1476, 0.2718



77.9919, 0.2337, 0.1844



77.9919, 0.5113, 0.3356

Rectangle

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



77.9919, 0.3643, 0.5270



77.9919, 0.2116, 0.4271



77.9919, 0.2337, 0.1844



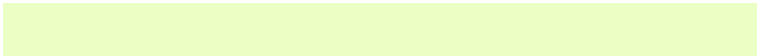
77.9919, 0.4059, 0.2502

Sweetspot

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



77.9954, 0.3643, 0.5270



93.1060, 0.3340, 0.3893



34.1151, 0.5255, 0.3843



19.7255, 0.3372, 0.3994



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.



77.9954, 0.3643, 0.5270



80.3660, 0.3611, 0.5482



70.1704, 0.3117, 0.5646



19.8701, 0.3215, 0.3528



40.4686, 0.3592, 0.5530



3.8071, 0.3664, 0.5473

Inverse Universe

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



14.0534, 0.2038, 0.1066



10.3895, 0.1823, 0.0803



24.5213, 0.2884, 0.1499



16.9374, 0.3034, 0.3049



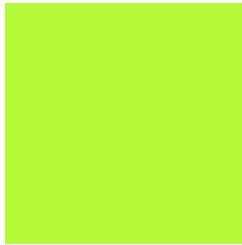
4.8130, 0.1765, 0.0746



0.5023, 0.1895, 0.0817

Previews

White Background



This preview shows how the Yxy color 77.9919, 0.3643, 0.5270 looks on a white background.

Color Contrast Check

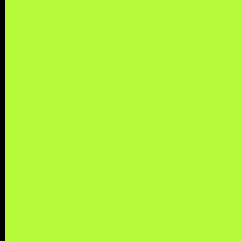
Large Text (above 18pt) WCAG AA × Fail

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 77.9919, 0.3643, 0.5270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

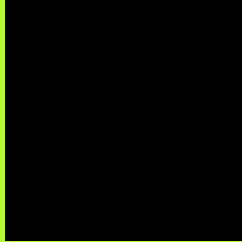
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9919, 0.3643, 0.5270

Background



This preview shows how black text looks on a background with the Yxy color 77.9919, 0.3643, 0.5270.



This preview shows how white text looks on a background with the Yxy color 77.9919, 0.3643, 0.5270.

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

77.9919, 0.3643, 0.5270

Protanopia

77.1765, 0.4270, 0.4704

Deuteranopia

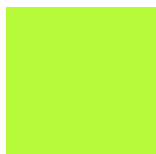
77.2900, 0.3667, 0.3741



Tritanopia

77.5156, 0.2834, 0.3086

Trichromacy



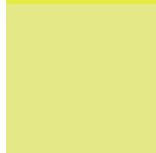
Original Color

77.9919, 0.3643, 0.5270



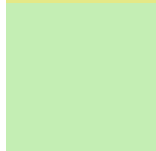
Protanomaly

76.8665, 0.4026, 0.4917



Deuteranomaly

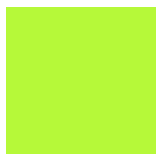
75.9565, 0.3720, 0.4332



Tritanomaly

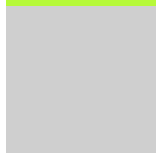
76.1801, 0.3201, 0.3960

Monochromacy



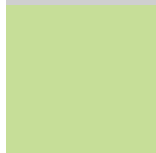
Original Color

77.9919, 0.3643, 0.5270



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.5153, 0.3416, 0.4125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9919, 0.3643, 0.5270 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(182, 249, 57)` looks like.

```
.text, #text, p{  
    color:rgb(182, 249, 57)  
}
```

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(182, 249, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 249, 57) }
```

Border

The CSS property to change the border of an element to Yxy 77.9919, 0.3643, 0.5270 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(182, 249, 57) }
```

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

```
.border{ border-color:rgb(182, 249, 57) }
```

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

Here you see how a box with a 4 pixel rgb(182, 249, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 249, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 249, 57);  
box-shadow:4px 4px 4px 4px rgb(182, 249,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9919, 0.3643, 0.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 249, 57) }
```

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

```
.background{ background-color: rgb(182,  
249, 57) }
```

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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