

Converting Colors

$Y_{xy}(73.7331, 0.3137, 0.5762)$

Have a look what the booklet for
Yxy(73.7331, 0.3137, 0.5762)
contains.

Yxy(73.7479, 0.3137, 0.5760)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.7479, 0.3137, 0.5760)

Conversions

Conversions Part 1

Format	Color
Hex	58FF28
RGB	88, 255, 40
RGB Percent	35%, 100%, 16%
CMY	0.6550, 0.0000, 0.8432
CMYK	0.66, 0.00, 0.84, 0.00
HSL	107°, 100%, 58%
HSV	107°, 84%, 100%
XYZ	40.1644, 73.7479, 14.1222
YIQ	180.5570, -30.5170, -102.2690

Conversions

Conversions Part 2

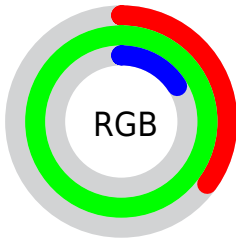
Format	Color
RYB	40, 255, 207
Decimal	5832488
CIELab	88.80, -76.53, 79.46
CIELCh	89, 110.319, 133.925
Yxy	73.7479, 0.3137, 0.5760
Android (android.graphics.Color)	4284022568 (0xFF58FF28)
YUV	180.5570, -69.2946, -81.1725
Hunter-Lab	85.8766, -66.7997, 50.3635

Details

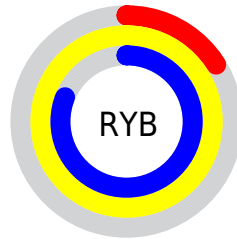
The Yxy color **73.7479, 0.3137, 0.5760** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **22.0035, 0.2732, 0.1349**, and the grayscale version is **46.3423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7496, 0.3298, 0.5028**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.7875, 0.3096, 0.5894**, and if you desaturate by 10%, it is **75.0811, 0.3170, 0.5550**.

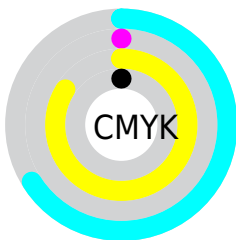
Distribution



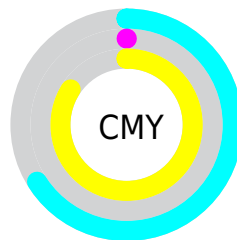
- Red (35%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (81%)



- Cyan (66%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7479, 0.3137, 0.5760 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 73.7479, 0.3137, 0.5760 by changing the saturation by 10% instead.


 73.7479, 0.3137,
0.5760

 73.7479, 0.3137,
0.5760


473.6028, 0.3246,
0.4550


 54.5877, 0.3077,
0.6031

 124.5384, 0.3202,
0.5339

 39.0717, 0.2986,
0.6356


 156.9375, 0.3220,
0.5174


 26.8155, 0.2842,
0.6742


 194.5183, 0.3231,
0.5033

 17.4347, 0.2631,
0.7233

 237.6653, 0.3238,
0.4910

 10.5449, 0.2270,
0.7730

 286.7629, 0.3243,
0.4803

 5.7617, 0.1730,
0.8270

342.1954, 0.3245,

 2.7007, 0.0392,

0.4708

0.9608

404.3472, 0.3246,
0.4624

■ 0.9776, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.7479, 0.3137,
0.5760

■ 73.7479, 0.3137,
0.5760

■ 72.7875, 0.3096,
0.5894

■ 75.0811, 0.3170,
0.5550

■ 72.3871, 0.3073,
0.5942

■ 76.8318, 0.3193,
0.5277

■ 79.0313, 0.3204,
0.4961

■ 81.7096, 0.3204,
0.4624

 84.8937, 0.3196,
0.4287

 88.6085, 0.3180,
0.3965

 92.8774, 0.3160,
0.3667

 97.7223, 0.3137,
0.3397

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



73.7479, 0.4247, 0.5359



73.7479, 0.3137, 0.5760



73.7479, 0.2078, 0.4876

Triad

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



73.7479, 0.3137, 0.5760



73.7479, 0.1259, 0.1634



73.7479, 0.5177, 0.2878

Complementary

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



73.7479, 0.3137, 0.5760



22.0035, 0.2732, 0.1349

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.



73.7479, 0.3950, 0.2208



73.7479, 0.3137, 0.5760



73.7479, 0.1729, 0.1532

Square

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



73.7479, 0.3137, 0.5760



73.7479, 0.1138, 0.2140



73.7479, 0.2635, 0.1733



73.7479, 0.5612, 0.3631

Rectangle

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



73.7479, 0.3137, 0.5760



73.7479, 0.1556, 0.3784



73.7479, 0.2635, 0.1733



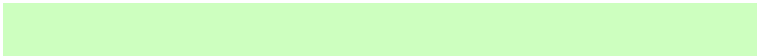
73.7479, 0.4829, 0.2641

Sweetspot

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



73.7460, 0.3137, 0.5760



88.3397, 0.3181, 0.3986



64.9935, 0.4542, 0.4655



18.6185, 0.3187, 0.4098



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.



73.7460, 0.3137, 0.5760



72.3871, 0.3073, 0.5942



72.8396, 0.2874, 0.5394



20.3636, 0.3149, 0.3533



37.8775, 0.3082, 0.5935



3.7338, 0.3154, 0.5877

Inverse Universe

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



22.0035, 0.2732, 0.1349



19.2384, 0.2639, 0.1227



26.8376, 0.3873, 0.1993



18.0839, 0.3102, 0.3053



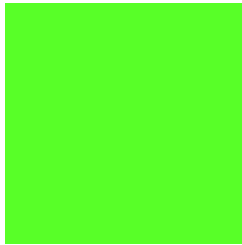
10.1217, 0.2649, 0.1233



1.0334, 0.2715, 0.1270

Previews

White Background



This preview shows how the Yxy color 73.7479, 0.3137, 0.5760 looks on a white background.

Color Contrast Check

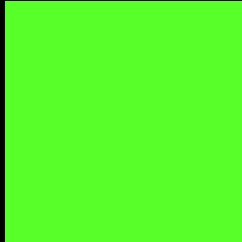
Large Text (above 18pt) WCAG AA × Fail

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 73.7479, 0.3137, 0.5760 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

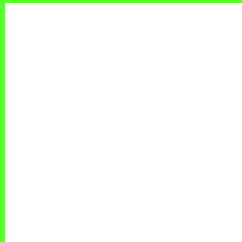
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.7479, 0.3137, 0.5760

Background



This preview shows how black text looks on a background with the Yxy color 73.7479, 0.3137, 0.5760.

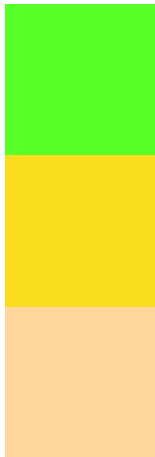


This preview shows how white text looks on a background with the Yxy color 73.7479, 0.3137, 0.5760.

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

73.7479, 0.3137, 0.5760

Protanopia

71.9464, 0.4379, 0.4836

Deuteranopia

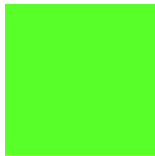
72.2612, 0.3858, 0.3897



Tritanopia

73.2773, 0.2479, 0.3080

Trichromacy



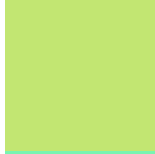
Original Color

73.7479, 0.3137, 0.5760



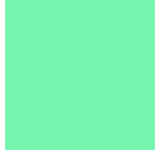
Protanomaly

69.3405, 0.3831, 0.5244



Deuteranomaly

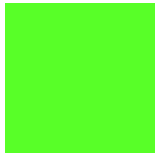
69.2779, 0.3588, 0.4639



Tritanomaly

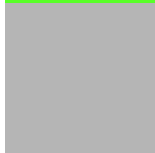
71.8688, 0.2779, 0.4158

Monochromacy



Original Color

73.7479, 0.3137, 0.5760



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

52.9265, 0.3196, 0.4380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7479, 0.3137, 0.5760 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(88, 255, 40)` looks like.

```
.text, #text, p{  
    color:rgb(88, 255, 40)  
}
```

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(88, 255, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 40) }
```

Border

The CSS property to change the border of an element to Yxy 73.7479, 0.3137, 0.5760 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(88, 255, 40) }
```

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

```
.border{ border-color:rgb(88, 255, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 255, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 40);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7479, 0.3137, 0.5760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 40) }
```

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

```
.background{ background-color: rgb(88, 255,  
40) }
```

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