

Converting Colors

Yxy(74.2458, 0.3150, 0.5680)

Have a look what the booklet for
Yxy(74.2458, 0.3150, 0.5680)
contains.

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Color

Yxy(74.2458, 0.3150, 0.5680)

Conversions

Conversions Part 1

Format	Color
Hex	60FF33
RGB	96, 255, 51
RGB Percent	38%, 100%, 20%
CMY	0.6239, 0.0000, 0.7999
CMYK	0.62, 0.00, 0.80, 0.00
HSL	107°, 100%, 60%
HSV	107°, 80%, 100%
XYZ	41.1750, 74.2458, 15.2936
YIQ	184.2030, -29.2800, -97.1520

Conversions

Conversions Part 2

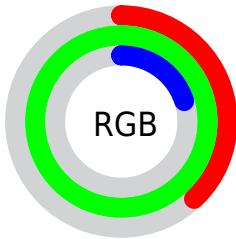
Format	Color
RYB	51, 255, 210
Decimal	6356787
CIELab	89.04, -74.42, 77.14
CIELCh	89, 107.188, 133.974
Yxy	74.2458, 0.3150, 0.5680
Android (android.graphics.Color)	4284546867 (0xFF60FF33)
YUV	184.2030, -65.6691, -77.3540
Hunter-Lab	86.1660, -65.4930, 49.7928

Details

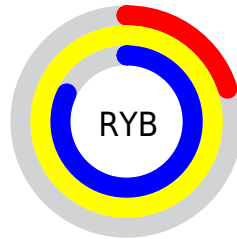
The Yxy color **74.2458, 0.3150, 0.5680** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **23.3056, 0.2764, 0.1405**, and the grayscale version is **48.4197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5214, 0.3306, 0.4939**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.1302, 0.3112, 0.5847**, and if you desaturate by 10%, it is **75.7486, 0.3179, 0.5441**.

Distribution



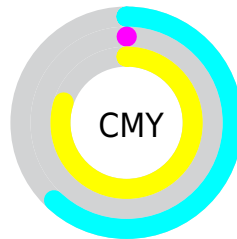
- Red (38%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (82%)



- Cyan (62%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.2458, 0.3150, 0.5680 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 74.2458, 0.3150, 0.5680 by changing the saturation by 10% instead.


 74.2458, 0.3150,
0.5680

 74.2458, 0.3150,
0.5680


475.3213, 0.3245,
0.4509


 54.9952, 0.3096,
0.5944


 125.2442, 0.3208,
0.5272

 39.3979, 0.3013,
0.6262

 157.7608, 0.3223,
0.5112


 27.0694, 0.2881,
0.6643


 195.4682, 0.3233,
0.4975

 17.6254, 0.2679,
0.7112

 238.7509, 0.3239,
0.4857

 10.6814, 0.2350,
0.7650

 287.9931, 0.3243,
0.4753

 5.8530, 0.1822,
0.8178

343.5793, 0.3245,

 2.7559, 0.0634,

0.4662

0.9366

405.8939, 0.3245,
0.4581

■ 1.0057, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.2458, 0.3150,
0.5680

■ 74.2458, 0.3150,
0.5680

■ 73.1302, 0.3112,
0.5847

■ 75.7486, 0.3179,
0.5441

■ 72.3649, 0.3072,
0.5943

■ 77.6881, 0.3197,
0.5146

■ 72.3645, 0.3071,
0.5943

■ 80.0917, 0.3203,
0.4817

■ 82.9884, 0.3200,
0.4478

■ 86.4043, 0.3188,
0.4146

■ 90.3638, 0.3171,
0.3833

■ 94.8898, 0.3150,
0.3547

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.



74.2458, 0.4236, 0.5318



74.2458, 0.3150, 0.5680



74.2458, 0.2111, 0.4818

Triad

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



74.2458, 0.3150, 0.5680



74.2458, 0.1298, 0.1672



74.2458, 0.5119, 0.2896

Complementary

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



74.2458, 0.3150, 0.5680



23.3056, 0.2764, 0.1405

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.



74.2458, 0.3931, 0.2236



74.2458, 0.3150, 0.5680



74.2458, 0.1762, 0.1569

Square

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



74.2458, 0.3150, 0.5680



74.2458, 0.1180, 0.2173



74.2458, 0.2652, 0.1768



74.2458, 0.5548, 0.3641

Rectangle

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



74.2458, 0.3150, 0.5680



74.2458, 0.1597, 0.3771



74.2458, 0.2652, 0.1768



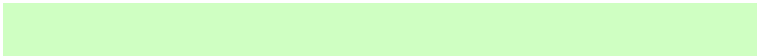
74.2458, 0.4781, 0.2663

Sweetspot

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



74.2415, 0.3150, 0.5680



88.7105, 0.3178, 0.3955



66.3209, 0.4489, 0.4634



18.6891, 0.3184, 0.4068



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.



74.2415, 0.3150, 0.5680



72.6351, 0.3087, 0.5911



73.2527, 0.2867, 0.5290



20.3608, 0.3149, 0.3533



37.8650, 0.3080, 0.5937



3.7323, 0.3152, 0.5879

Inverse Universe

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



23.3056, 0.2764, 0.1405



19.8751, 0.2670, 0.1255



27.8277, 0.3825, 0.2011



18.0868, 0.3102, 0.3053



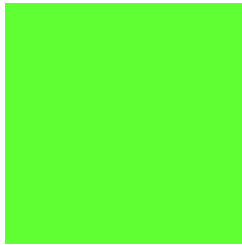
10.1766, 0.2656, 0.1237



1.0383, 0.2722, 0.1273

Previews

White Background



This preview shows how the Yxy color 74.2458, 0.3150, 0.5680 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 74.2458, 0.3150, 0.5680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

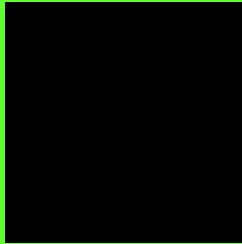
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

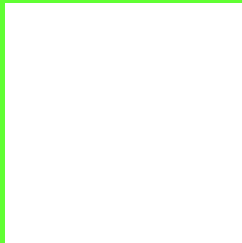
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.2458, 0.3150, 0.5680

Background



This preview shows how black text looks on a background with the Yxy color 74.2458, 0.3150, 0.5680.

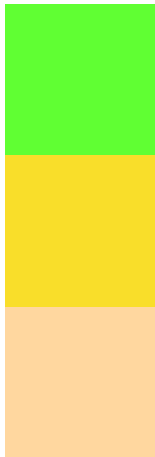


This preview shows how white text looks on a background with the Yxy color 74.2458, 0.3150, 0.5680.

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

74.2458, 0.3150, 0.5680

Protanopia

72.5495, 0.4348, 0.4808

Deuteranopia

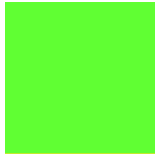
72.3641, 0.3836, 0.3867



Tritanopia

73.7177, 0.2501, 0.3081

Trichromacy



Original Color

74.2458, 0.3150, 0.5680



Protanomaly

70.3726, 0.3827, 0.5190



Deuteranomaly

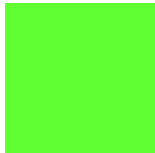
69.8200, 0.3578, 0.4567



Tritanomaly

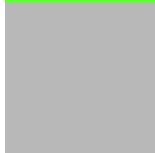
72.5496, 0.2792, 0.4096

Monochromacy



Original Color

74.2458, 0.3150, 0.5680



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.5462, 0.3192, 0.4306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.2458, 0.3150, 0.5680 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(96, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(96, 255, 51)  
}
```

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(96, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 74.2458, 0.3150, 0.5680 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(96, 255, 51) }
```

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

```
.border{ border-color:rgb(96, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(96, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 74.2458, 0.3150, 0.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 255, 51) }
```

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

```
.background{ background-color: rgb(96, 255,  
51) }
```

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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