

Converting Colors

$Y_{xy}(74.1094, 0.3202, 0.5816)$

Have a look what the booklet for
Yxy(74.1094, 0.3202, 0.5816)
contains.

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Color

Yxy(74.0879, 0.3200, 0.5818)

Conversions

Conversions Part 1

Format	Color
Hex	61FF0C
RGB	97, 255, 12
RGB Percent	38%, 100%, 5%
CMY	0.6200, 0.0000, 0.9523
CMYK	0.62, 0.00, 0.95, 0.00
HSL	99°, 100%, 52%
HSV	99°, 95%, 100%
XYZ	40.7496, 74.0879, 12.5050
YIQ	180.0560, -16.1650, -109.0690

Conversions

Conversions Part 2

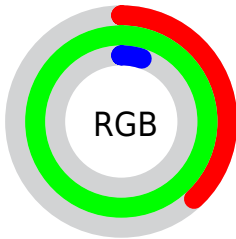
Format	Color
RYB	12, 255, 170
Decimal	6422284
CIELab	88.96, -75.41, 83.76
CIELCh	89, 112.703, 131.998
Yxy	74.0879, 0.3200, 0.5818
Android (android.graphics.Color)	4284612364 (0xFF61FF0C)
YUV	180.0560, -82.8516, -72.8401
Hunter-Lab	86.0743, -66.1240, 51.6383

Details

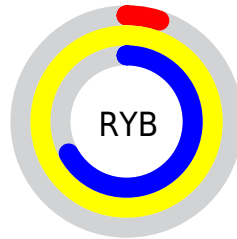
The Yxy color **74.0879, 0.3200, 0.5818** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **16.0631, 0.2373, 0.1095**, and the grayscale version is **46.1293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2387, 0.3387, 0.5114**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.6429, 0.3174, 0.5862**, and if you desaturate by 10%, it is **75.2025, 0.3250, 0.5687**.

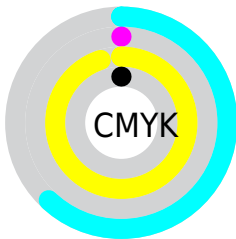
Distribution



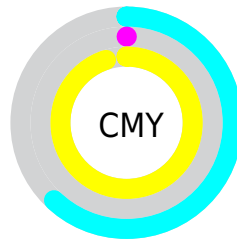
- Red (38%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (67%)



- Cyan (62%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0879, 0.3200, 0.5818 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 74.0879, 0.3200, 0.5818 by changing the saturation by 10% instead.


 74.0879, 0.3200,
0.5818


 74.0879, 0.3200,
0.5818


474.7767, 0.3292,
0.4592


 54.8660, 0.3141,
0.6087


 125.0204, 0.3262,
0.5396


 39.2944, 0.3048,
0.6404


 157.4998, 0.3277,
0.5230

 26.9889, 0.2902,
0.6776


 195.1671, 0.3286,
0.5086

 17.5649, 0.2700,
0.7281

 238.4068, 0.3292,
0.4961

 10.6380, 0.2314,
0.7686

 287.6032, 0.3294,
0.4851

 5.8240, 0.1781,
0.8219


 343.1407, 0.3294,

 2.7384, 0.0534,


0.4754


0.9466


405.4037, 0.3294,
0.4669


 0.9967, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.0879, 0.3200,
0.5818


 74.0879, 0.3200,
0.5818

 73.6429, 0.3174,
0.5862


 75.2025, 0.3250,
0.5687


 76.6356, 0.3286,
0.5489


 78.4125, 0.3305,
0.5233


 80.5589, 0.3307,
0.4936

 83.0974, 0.3293,
0.4617

 86.0486, 0.3268,
0.4295

 89.4317, 0.3233,
0.3982

 93.2643, 0.3193,
0.3689

 97.5631, 0.3150,
0.3420

Harmonies

Analogous

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



74.0879, 0.4321, 0.5332



74.0879, 0.3200, 0.5818



74.0879, 0.2116, 0.5011

Triad

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



74.0879, 0.3200, 0.5818



74.0879, 0.1217, 0.1628



74.0879, 0.5155, 0.2820

Complementary

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



74.0879, 0.3200, 0.5818



16.0631, 0.2373, 0.1095

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.



74.0879, 0.3872, 0.2153



74.0879, 0.3200, 0.5818



74.0879, 0.1665, 0.1505

Square

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



74.0879, 0.3200, 0.5818



74.0879, 0.1116, 0.2169



74.0879, 0.2551, 0.1690



74.0879, 0.5654, 0.3574

Rectangle

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



74.0879, 0.3200, 0.5818



74.0879, 0.1570, 0.3900



74.0879, 0.2551, 0.1690



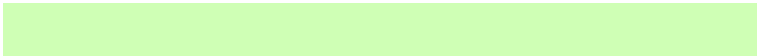
74.0879, 0.4783, 0.2583

Sweetspot

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



74.0834, 0.3200, 0.5818



88.1027, 0.3247, 0.4098



50.0408, 0.4936, 0.4436



18.5524, 0.3261, 0.4232



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.



74.0834, 0.3200, 0.5818



73.6429, 0.3174, 0.5862



71.8178, 0.2962, 0.5835



20.4763, 0.3169, 0.3532



38.5547, 0.3185, 0.5853



3.8120, 0.3271, 0.5785

Inverse Universe

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



16.0631, 0.2373, 0.1095



15.3290, 0.2331, 0.1058



26.6194, 0.3613, 0.1778



17.9646, 0.3082, 0.3052



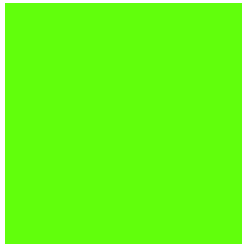
8.0961, 0.2345, 0.1066



0.8492, 0.2444, 0.1120

Previews

White Background



This preview shows how the Yxy color 74.0879, 0.3200, 0.5818 looks on a white background.

Color Contrast Check

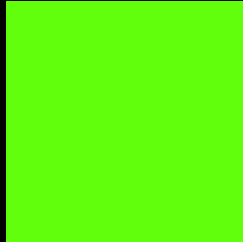
Large Text (above 18pt) WCAG AA × Fail

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 74.0879, 0.3200, 0.5818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

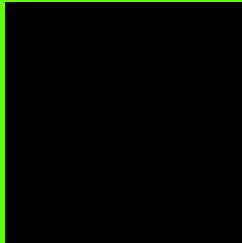
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

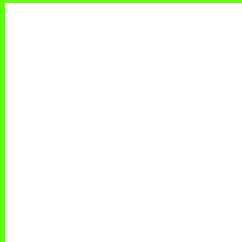
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.0879, 0.3200, 0.5818

Background



This preview shows how black text looks on a background with the Yxy color 74.0879, 0.3200, 0.5818.



This preview shows how white text looks on a background with the Yxy color 74.0879, 0.3200, 0.5818.

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

74.0879, 0.3200, 0.5818

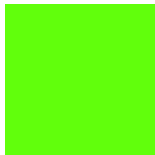
Deuteranopia

72.2952, 0.3851, 0.3887

Tritanopia

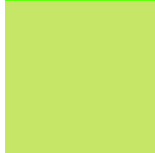
73.1402, 0.2499, 0.3070

Trichromacy



Original Color

74.0879, 0.3200, 0.5818



Deuteranomaly

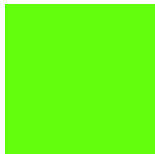
69.5989, 0.3670, 0.4723



Tritanomaly

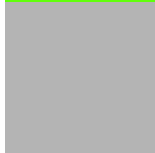
71.4032, 0.2861, 0.4276

Monochromacy



Original Color

74.0879, 0.3200, 0.5818



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.4416, 0.3289, 0.4512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0879, 0.3200, 0.5818 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(97, 255, 12)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 12)  
}
```

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(97, 255, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 12) }
```

Border

The CSS property to change the border of an element to Yxy 74.0879, 0.3200, 0.5818 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(97, 255, 12) }
```

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

```
.border{ border-color:rgb(97, 255, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 12);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
12) }
```

Background

The CSS property to change the background color of an element to Yxy 74.0879, 0.3200, 0.5818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 12) }
```

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

```
.background{ background-color: rgb(97, 255,  
12) }
```

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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