

Converting Colors

$Y_{xy}(73.9840, 0.3200, 0.5841)$

Have a look what the booklet for
Yxy(73.9840, 0.3200, 0.5841)
contains.

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Color

Yxy(73.9529, 0.3198, 0.5843)

Conversions

Conversions Part 1

Format	Color
Hex	5FFF00
RGB	95, 255, 0
RGB Percent	37%, 100%, 0%
CMY	0.6276, 0.0000, 1.0000
CMYK	0.63, 0.00, 1.00, 0.00
HSL	98°, 100%, 50%
HSV	98°, 100%, 100%
XYZ	40.4760, 73.9529, 12.1377
YIQ	178.0900, -13.5050, -113.2250

Conversions

Conversions Part 2

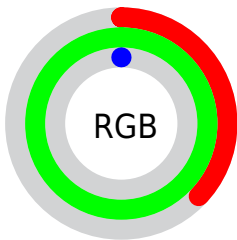
Format	Color
RYB	0, 255, 160
Decimal	6291200
CIELab	88.90, -75.98, 84.61
CIElCh	89, 113.717, 131.925
Yxy	73.9529, 0.3198, 0.5843
Android (android.graphics.Color)	4284481280 (0xFF5FFF00)
YUV	178.0900, -87.7984, -72.8699
Hunter-Lab	85.9959, -66.4775, 51.8287

Details

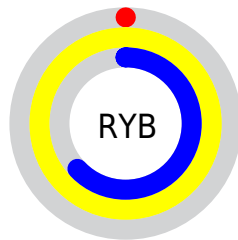
The Yxy color **73.9529, 0.3198, 0.5843** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **14.6974, 0.2277, 0.1028**, and the grayscale version is **45.0444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0968, 0.3388, 0.5135**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.9509, 0.3198, 0.5843**, and if you desaturate by 10%, it is **74.9697, 0.3253, 0.5739**.

Distribution



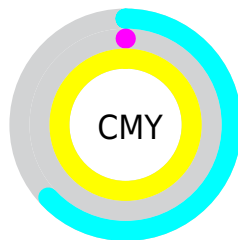
- Red (37%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (63%)



- Cyan (63%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9529, 0.3198, 0.5843 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 73.9529, 0.3198, 0.5843 by changing the saturation by 10% instead.


 73.9529, 0.3198,
0.5843


 73.9529, 0.3198,
0.5843


474.3108, 0.3294,
0.4606


 54.7555, 0.3137,
0.6113


 124.8290, 0.3262,
0.5418


 39.2060, 0.3041,
0.6432


 157.2766, 0.3278,
0.5250


 26.9200, 0.2892,
0.6805


 194.9096, 0.3288,
0.5105

 17.5132, 0.2686,
0.7314

 238.1125, 0.3293,
0.4978

 10.6010, 0.2292,
0.7708

 287.2696, 0.3296,
0.4868

 5.7992, 0.1756,
0.8244

 342.7655, 0.3296,

 2.7234, 0.0469,

0.4770

0.9531

404.9844, 0.3296,
0.4683

■ 0.9891, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.9529, 0.3198,
0.5843

■ 73.9529, 0.3198,
0.5843

■ 73.9509, 0.3198,
0.5843

■ 74.9697, 0.3253,
0.5739


■ 76.2688, 0.3296,
0.5573

■ 77.8861, 0.3322,
0.5346


■ 79.8480, 0.3330,
0.5069

 82.1772, 0.3320,
0.4762

 84.8944, 0.3296,
0.4443

 88.0183, 0.3262,
0.4127

 91.5664, 0.3220,
0.3825

 95.5552, 0.3174,
0.3545

Harmonies

Analogous

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



73.9529, 0.4326, 0.5342



73.9529, 0.3198, 0.5843



73.9529, 0.2108, 0.5034

Triad

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



73.9529, 0.3198, 0.5843



73.9529, 0.1204, 0.1617



73.9529, 0.5171, 0.2812

Complementary

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



73.9529, 0.3198, 0.5843



14.6974, 0.2277, 0.1028

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.



73.9529, 0.3875, 0.2143



73.9529, 0.3198, 0.5843



73.9529, 0.1653, 0.1494

Square

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



73.9529, 0.3198, 0.5843



73.9529, 0.1103, 0.2160



73.9529, 0.2542, 0.1678



73.9529, 0.5674, 0.3568

Rectangle

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



73.9529, 0.3198, 0.5843



73.9529, 0.1559, 0.3909



73.9529, 0.2542, 0.1678



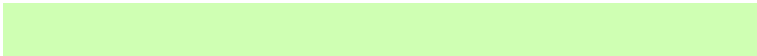
73.9529, 0.4796, 0.2575

Sweetspot

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



73.9509, 0.3198, 0.5843



88.0183, 0.3262, 0.4127



45.4586, 0.5092, 0.4339



18.5468, 0.3278, 0.4259



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.



73.9509, 0.3198, 0.5843



71.6125, 0.2981, 0.5931



20.4976, 0.3172, 0.3532



38.7188, 0.3209, 0.5834



3.8297, 0.3296, 0.5765

Inverse Universe

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



14.6974, 0.2277, 0.1028



26.7099, 0.3534, 0.1720



17.9426, 0.3078, 0.3051



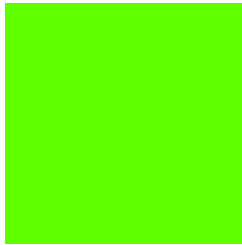
7.7676, 0.2292, 0.1036



0.8186, 0.2395, 0.1093

Previews

White Background



This preview shows how the Yxy color 73.9529, 0.3198, 0.5843 looks on a white background.

Color Contrast Check

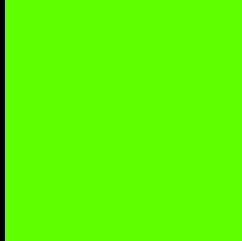
Large Text (above 18pt) WCAG AA × Fail

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 73.9529, 0.3198, 0.5843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

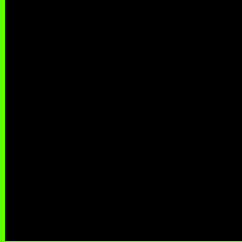
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

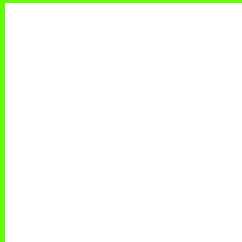
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.9529, 0.3198, 0.5843

Background



This preview shows how black text looks on a background with the Yxy color 73.9529, 0.3198, 0.5843.



This preview shows how white text looks on a background with the Yxy color 73.9529, 0.3198, 0.5843.

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

73.9529, 0.3198, 0.5843

Protanopia

72.5665, 0.4409, 0.4881

Deuteranopia

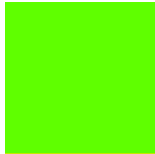
72.2612, 0.3858, 0.3897



Tritanopia

73.0505, 0.2495, 0.3069

Trichromacy



Original Color

73.9529, 0.3198, 0.5843



Protanomaly

70.3150, 0.3890, 0.5293



Deuteranomaly

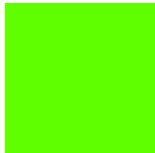
69.3648, 0.3687, 0.4774



Tritanomaly

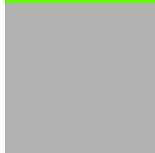
71.1454, 0.2881, 0.4345

Monochromacy



Original Color

73.9529, 0.3198, 0.5843



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.6308, 0.3312, 0.4589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9529, 0.3198, 0.5843 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(95, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 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(95, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 73.9529, 0.3198, 0.5843 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(95, 255, 0) }
```

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

```
.border{ border-color:rgb(95, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 73.9529, 0.3198, 0.5843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 0) }
```

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

```
.background{ background-color: rgb(95, 255,  
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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