

Converting Colors

Yxy(73.0656, 0.3129, 0.5898)

Have a look what the booklet for
Yxy(73.0656, 0.3129, 0.5898)
contains.

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Color

Yxy(73.0565, 0.3128, 0.5898)

Conversions

Conversions Part 1

Format	Color
Hex	4CFF00
RGB	76, 255, 0
RGB Percent	30%, 100%, 0%
CMY	0.7017, 0.0000, 0.9991
CMYK	0.70, 0.00, 1.00, 0.00
HSL	102°, 100%, 50%
HSV	102°, 100%, 100%
XYZ	38.7455, 73.0565, 12.0646
YIQ	172.4090, -24.8290, -117.2530

Conversions

Conversions Part 2

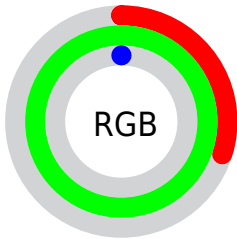
Format	Color
RYB	0, 255, 179
Decimal	5046016
CIELab	88.47, -79.59, 84.07
CIELCh	88, 115.764, 133.431
Yxy	73.0565, 0.3128, 0.5898
Android (android.graphics.Color)	4283236096 (0xFF4CFF00)
YUV	172.4090, -84.9976, -84.5507
Hunter-Lab	85.4731, -68.6628, 51.4623

Details

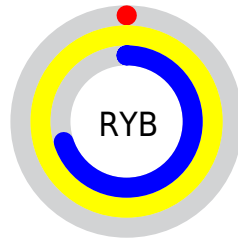
The Yxy color **73.0565, 0.3128, 0.5898** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **16.8272, 0.2455, 0.1126**, and the grayscale version is **41.9472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6999, 0.3304, 0.5187**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.0526, 0.3128, 0.5899**, and if you desaturate by 10%, it is **73.9716, 0.3178, 0.5796**.

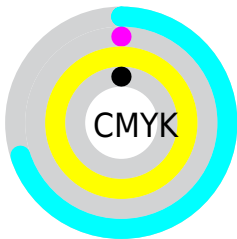
Distribution



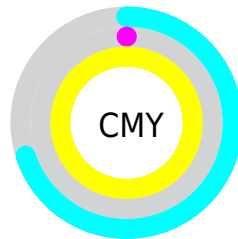
- Red (30%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (70%)



- Cyan (70%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.0565, 0.3128, 0.5898 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 73.0565, 0.3128, 0.5898 by changing the saturation by 10% instead.


 73.0565, 0.3128,
0.5898


 73.0565, 0.3128,
0.5898


471.2106, 0.3258,
0.4624


 54.0222, 0.3059,
0.6179


 123.5574, 0.3205,
0.5458


 38.6194, 0.2953,
0.6511

 155.7928, 0.3225,
0.5285


 26.4638, 0.2790,
0.6901


 193.1973, 0.3239,
0.5135

 17.1709, 0.2567,
0.7433

 236.1553, 0.3247,
0.5006

 10.3564, 0.2154,
0.7846

 285.0513, 0.3253,
0.4892

 5.6359, 0.1598,
0.8402


 340.2695, 0.3256,

 2.6250, 0.0004,


0.4792

0.9996


402.1945, 0.3258,
0.4703


 0.9392, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 73.0565, 0.3128,
0.5898


 73.0565, 0.3128,
0.5898

 73.0526, 0.3128,
0.5899

 73.9716, 0.3178,
0.5796


 75.1981, 0.3220,
0.5627

 76.7814, 0.3249,
0.5392


 78.7520, 0.3263,
0.5105

 81.1364, 0.3262,
0.4787

 83.9587, 0.3248,
0.4457

 87.2408, 0.3225,
0.4133

 91.0032, 0.3196,
0.3826

 95.2651, 0.3162,
0.3543

Harmonies

Analogous

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



73.0565, 0.4277, 0.5413



73.0565, 0.3128, 0.5898



73.0565, 0.2034, 0.5000

Triad

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



73.0565, 0.3128, 0.5898



73.0565, 0.1191, 0.1574



73.0565, 0.5264, 0.2835

Complementary

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



73.0565, 0.3128, 0.5898



16.8272, 0.2455, 0.1126

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.



73.0565, 0.3963, 0.2153



73.0565, 0.3128, 0.5898



73.0565, 0.1662, 0.1470

Square

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



73.0565, 0.3128, 0.5898



73.0565, 0.1071, 0.2094



73.0565, 0.2588, 0.1671



73.0565, 0.5718, 0.3600

Rectangle

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



73.0565, 0.3128, 0.5898



73.0565, 0.1496, 0.3832



73.0565, 0.2588, 0.1671



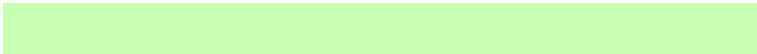
73.0565, 0.4894, 0.2595

Sweetspot

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



73.0596, 0.3128, 0.5898



87.2099, 0.3225, 0.4136



53.3276, 0.4859, 0.4524



18.3584, 0.3236, 0.4271



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.



73.0596, 0.3128, 0.5898



73.0529, 0.3128, 0.5899



71.7618, 0.2951, 0.5824



20.4301, 0.3161, 0.3533



38.2386, 0.3138, 0.5891



3.7769, 0.3220, 0.5826

Inverse Universe

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



16.8272, 0.2455, 0.1126



16.8143, 0.2454, 0.1125



25.6266, 0.3803, 0.1869



18.0130, 0.3090, 0.3052



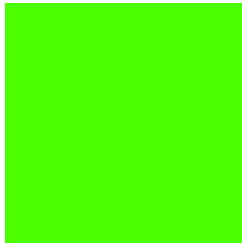
8.8670, 0.2466, 0.1132



0.9201, 0.2553, 0.1180

Previews

White Background



This preview shows how the Yxy color 73.0565, 0.3128, 0.5898 looks on a white background.

Color Contrast Check

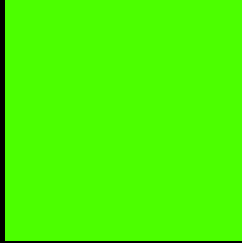
Large Text (above 18pt) WCAG AA × Fail

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 73.0565, 0.3128, 0.5898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

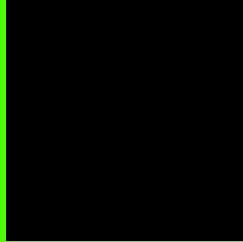
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.0565, 0.3128, 0.5898

Background



This preview shows how black text looks on a background with the Yxy color 73.0565, 0.3128, 0.5898.



This preview shows how white text looks on a background with the Yxy color 73.0565, 0.3128, 0.5898.

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

73.0565, 0.3128, 0.5898

Protanopia

71.1429, 0.4411, 0.4880

Deuteranopia

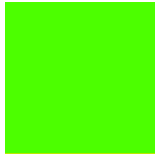
71.0829, 0.3902, 0.3928



Tritanopia

72.1164, 0.2448, 0.3067

Trichromacy



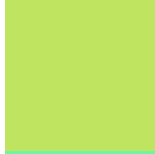
Original Color

73.0565, 0.3128, 0.5898



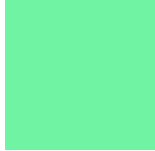
Protanomaly

68.5921, 0.3828, 0.5343



Deuteranomaly

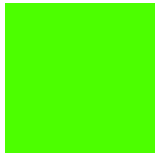
67.2785, 0.3656, 0.4815



Tritanomaly

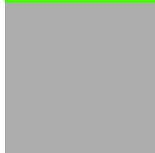
70.1546, 0.2815, 0.4364

Monochromacy



Original Color

73.0565, 0.3128, 0.5898



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

48.6852, 0.3253, 0.4624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.0565, 0.3128, 0.5898 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(76, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 73.0565, 0.3128, 0.5898 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(76, 255, 0) }
```

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

```
.border{ border-color:rgb(76, 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(76, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(76, 255, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 73.0565, 0.3128, 0.5898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 0) }
```

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

```
.background{ background-color: rgb(76, 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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