

Converting Colors

$Y_{xy}(72.1759, 0.2874, 0.5545)$

Have a look what the booklet for
Yxy(72.1759, 0.2874, 0.5545)
contains.

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Color

Yxy(72.1823, 0.2875, 0.5546)

Conversions

Conversions Part 1

Format	Color
Hex	02FF55
RGB	2, 255, 85
RGB Percent	1%, 100%, 33%
CMY	0.9931, 0.0000, 0.6667
CMYK	0.99, 0.00, 0.67, 0.00
HSL	140°, 100%, 50%
HSV	140°, 99%, 100%
XYZ	37.4187, 72.1823, 20.5510
YIQ	159.9730, -96.2180, -106.5060

Conversions

Conversions Part 2

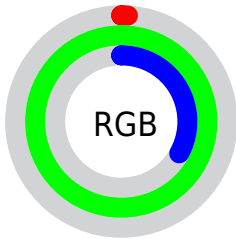
Format	Color
R_YB	2, 193, 255
Decimal	196437
CIE _{Lab}	88.06, -82.06, 64.68
CIE _{LCh}	88, 104.491, 141.755
Yxy	72.1823, 0.2875, 0.5546
Android (android.graphics.Color)	4278386517 (0xFF02FF55)
YUV	159.9730, -36.9617, -138.5423
Hunter-Lab	84.9602, -70.0642, 45.1305

Details

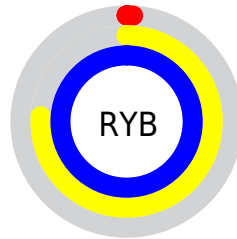
The Yxy color **72.1823, 0.2875, 0.5546** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **24.2679, 0.4271, 0.2129**, and the grayscale version is **35.3122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2946, 0.2949, 0.4744**, and **39.5235, 0.2984, 0.5941** is the 20% darker color. If you saturate the color by 10%, you get **72.1551, 0.2877, 0.5558**, and if you desaturate by 10%, it is **72.7163, 0.2841, 0.5349**.

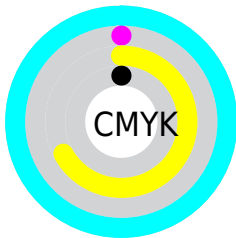
Distribution



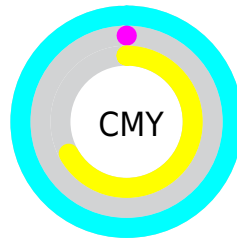
- Red (1%)
- Green (100%)
- Blue (33%)



- Red (1%)
- Yellow (76%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (99%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1823, 0.2875, 0.5546 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 72.1823, 0.2875, 0.5546 by changing the saturation by 10% instead.


 72.1823, 0.2875,
0.5546


 72.1823, 0.2875,
0.5546


468.1759, 0.3073,
0.4408

 53.3076, 0.2806,
0.5818


 122.3157, 0.2963,
0.5138


 38.0484, 0.2707,
0.6155


 154.3432, 0.2991,
0.4983


 26.0202, 0.2563,
0.6577


 191.5237, 0.3013,
0.4850

 16.8388, 0.2344,
0.7106

 234.2416, 0.3031,
0.4737

 10.1196, 0.2043,
0.7906

 282.8815, 0.3045,
0.4638

 5.4783, 0.1482,
0.8518


337.8275, 0.3056,

 2.5306, 0.0000,


0.4552


1.0000


399.4642, 0.3065,
0.4475


 0.8919, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.1823, 0.2875,
0.5546

 72.1823, 0.2875,
0.5546

 72.1551, 0.2877,
0.5558

 72.7163, 0.2841,
0.5349

 73.6062, 0.2821,
0.5120

 74.9367, 0.2819,
0.4868

 76.7627, 0.2834,
0.4606

■ 79.1308, 0.2864,
0.4344

■ 82.0818, 0.2906,
0.4093

■ 85.6528, 0.2957,
0.3858

■ 89.8775, 0.3013,
0.3643

■ 94.7872, 0.3072,
0.3450

Harmonies

Analogous

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



72.1823, 0.3961, 0.5464



72.1823, 0.2875, 0.5546



72.1823, 0.1906, 0.4403

Triad

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



72.1823, 0.2875, 0.5546



72.1823, 0.1402, 0.1633



72.1823, 0.5287, 0.3091

Complementary

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



72.1823, 0.2875, 0.5546



24.2679, 0.4271, 0.2129

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.



72.1823, 0.4261, 0.2406



72.1823, 0.2875, 0.5546



72.1823, 0.1965, 0.1612

Square

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



72.1823, 0.2875, 0.5546



72.1823, 0.1199, 0.2014



72.1823, 0.2960, 0.1881



72.1823, 0.5481, 0.3849

Rectangle

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



72.1823, 0.2875, 0.5546



72.1823, 0.1476, 0.3377



72.1823, 0.2960, 0.1881



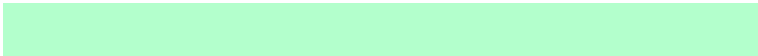
72.1823, 0.5021, 0.2852

Sweetspot

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



72.1853, 0.2875, 0.5546



85.3866, 0.2953, 0.3874



80.6138, 0.3638, 0.5491



17.9414, 0.2931, 0.3971



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.



72.1853, 0.2875, 0.5546



72.1570, 0.2877, 0.5558



76.1119, 0.2415, 0.3891



20.2666, 0.3070, 0.3454



37.7280, 0.2869, 0.5529



3.6926, 0.2806, 0.5303

Inverse Universe

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



24.2679, 0.4271, 0.2129



24.2079, 0.4281, 0.2132



21.5129, 0.6140, 0.3160



18.1929, 0.3189, 0.3132



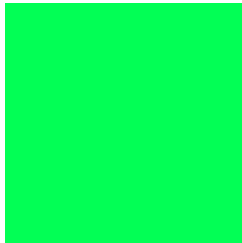
12.6779, 0.4258, 0.2120



1.2546, 0.4108, 0.2037

Previews

White Background



This preview shows how the Yxy color 72.1823, 0.2875, 0.5546 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 72.1823, 0.2875, 0.5546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

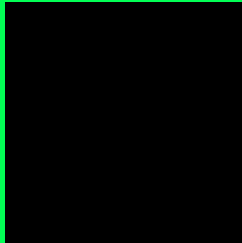
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

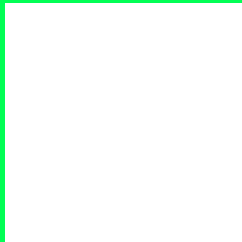
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.1823, 0.2875, 0.5546

Background



This preview shows how black text looks on a background with the Yxy color 72.1823, 0.2875, 0.5546.

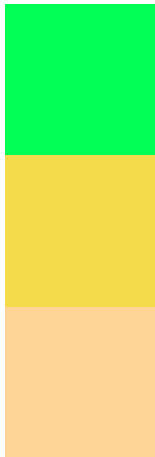


This preview shows how white text looks on a background with the Yxy color 72.1823, 0.2875, 0.5546.

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

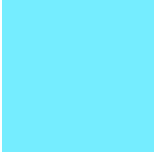
72.1888, 0.2875, 0.5546

Protanopia

70.4041, 0.4227, 0.4657

Deuteranopia

70.5813, 0.3906, 0.3918



Tritanopia

71.5703, 0.2392, 0.3075

Trichromacy



Original Color

72.1888, 0.2875, 0.5546



Protanomaly

65.3457, 0.3462, 0.5145



Deuteranomaly

64.8056, 0.3296, 0.4576



Tritanomaly

70.0475, 0.2542, 0.3968

Monochromacy



Original Color

72.1888, 0.2875, 0.5546



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

43.5484, 0.2870, 0.4276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1823, 0.2875, 0.5546 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(2, 255, 85)` looks like.

```
.text, #text, p{  
    color:rgb(2, 255, 85)  
}
```

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(2, 255, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 255, 85) }
```

Border

The CSS property to change the border of an element to Yxy 72.1823, 0.2875, 0.5546 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(2, 255, 85) }
```

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

```
.border{ border-color:rgb(2, 255, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 255, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 255, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 255, 85);  
box-shadow:4px 4px 4px 4px rgb(2, 255, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 72.1823, 0.2875, 0.5546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 255, 85) }
```

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

```
.background{ background-color: rgb(2, 255,  
85) }
```

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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