

Converting Colors

$Y_{xy}(71.7243, 0.2968, 0.5872)$

Have a look what the booklet for
Yxy(71.7243, 0.2968, 0.5872)
contains.

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Color

Yxy(71.7194, 0.2968, 0.5875)

Conversions

Conversions Part 1

Format	Color
Hex	04FF2A
RGB	4, 255, 42
RGB Percent	2%, 100%, 16%
CMY	0.9840, 0.0000, 0.8352
CMYK	0.98, 0.00, 0.84, 0.00
HSL	129°, 100%, 51%
HSV	129°, 98%, 100%
XYZ	36.2320, 71.7194, 14.1241
YIQ	155.6690, -81.2230, -119.4550

Conversions

Conversions Part 2

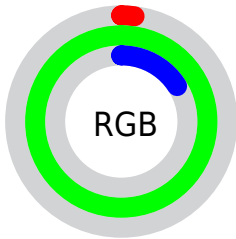
Format	Color
RYB	4, 222, 255
Decimal	327466
CIELab	87.83, -85.02, 77.78
CIELCh	88, 115.230, 137.546
Yxy	71.7194, 0.2968, 0.5875
Android (android.graphics.Color)	4278517546 (0xFF04FF2A)
YUV	155.6690, -56.0388, -133.0137
Hunter-Lab	84.6873, -71.8346, 49.3927

Details

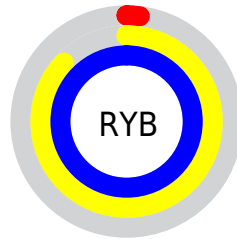
The Yxy color **71.7194, 0.2968, 0.5875** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **26.3626, 0.3633, 0.1780**, and the grayscale version is **33.3854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5958, 0.3094, 0.5129**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6635, 0.2971, 0.5894**, and if you desaturate by 10%, it is **72.1562, 0.2949, 0.5721**.

Distribution



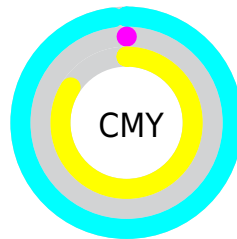
- Red (2%)
- Green (100%)
- Blue (16%)



- Red (2%)
- Yellow (87%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7194, 0.2968, 0.5875 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 71.7194, 0.2968, 0.5875 by changing the saturation by 10% instead.

 71.7194, 0.2968,
0.5875

 71.7194, 0.2968,
0.5875


466.5643, 0.3159,
0.4586


 52.9295, 0.2889,
0.6170


 121.6575, 0.3062,
0.5421

 37.7465, 0.2774,
0.6526


 153.5745, 0.3090,
0.5246


 25.7860, 0.2601,
0.6953


 190.6360, 0.3111,
0.5095

 16.6636, 0.2352,
0.7500

 233.2263, 0.3127,
0.4965

 9.9949, 0.1947,
0.8053

 281.7299, 0.3138,
0.4852

 5.3956, 0.1366,
0.8634


336.5312, 0.3147,


 2.4812, 0.0000,


0.4752


1.0000


398.0145, 0.3154,
0.4664


 0.8672, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.7194, 0.2968,
0.5875


 71.7194, 0.2968,
0.5875


 71.6635, 0.2971,
0.5894


 72.1562, 0.2949,
0.5721


 72.9955, 0.2939,
0.5502


 74.3118, 0.2939,
0.5229


 76.1640, 0.2950,
0.4922

 78.6024, 0.2971,
0.4602

 81.6715, 0.2998,
0.4287

 85.4113, 0.3030,
0.3989

 89.8586, 0.3064,
0.3716

 95.0475, 0.3099,
0.3472

Harmonies

Analogous

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



71.7194, 0.4124, 0.5529



71.7194, 0.2968, 0.5875



71.7194, 0.1904, 0.4775

Triad

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



71.7194, 0.2968, 0.5875



71.7194, 0.1231, 0.1538



71.7194, 0.5391, 0.2936

Complementary

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



71.7194, 0.2968, 0.5875



26.3626, 0.3633, 0.1780

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.



71.7194, 0.4166, 0.2237



71.7194, 0.2968, 0.5875



71.7194, 0.1758, 0.1478

Square

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



71.7194, 0.2968, 0.5875



71.7194, 0.1066, 0.1988



71.7194, 0.2754, 0.1720



71.7194, 0.5704, 0.3711

Rectangle

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



71.7194, 0.2968, 0.5875



71.7194, 0.1412, 0.3595



71.7194, 0.2754, 0.1720



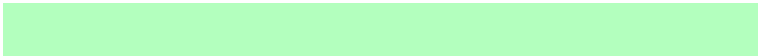
71.7194, 0.5060, 0.2692

Sweetspot

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



71.7137, 0.2968, 0.5875



84.7647, 0.3025, 0.4035



86.3365, 0.3928, 0.5257



17.7977, 0.3011, 0.4160



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.



71.7137, 0.2968, 0.5875



71.6635, 0.2971, 0.5894



74.3431, 0.2580, 0.4482



20.2129, 0.3095, 0.3498



37.4590, 0.2965, 0.5875



3.6598, 0.2918, 0.5704

Inverse Universe

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



26.3626, 0.3633, 0.1780



26.2417, 0.3642, 0.1780



22.1199, 0.5581, 0.2857



18.2504, 0.3161, 0.3091



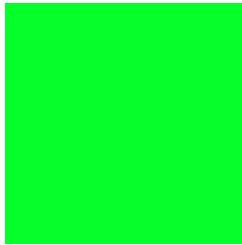
13.7297, 0.3633, 0.1775



1.3490, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 71.7194, 0.2968, 0.5875 looks on a white background.

Color Contrast Check

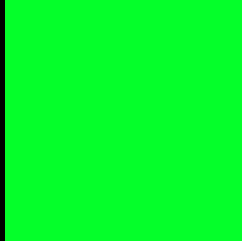
Large Text (above 18pt) WCAG AA × Fail

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 71.7194, 0.2968, 0.5875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

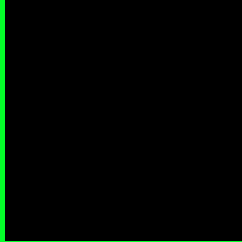
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7194, 0.2968, 0.5875

Background



This preview shows how black text looks on a background with the Yxy color 71.7194, 0.2968, 0.5875.

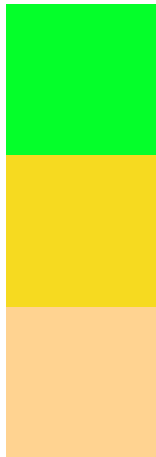


This preview shows how white text looks on a background with the Yxy color 71.7194, 0.2968, 0.5875.

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

71.7130, 0.2968, 0.5875

Protanopia

69.8399, 0.4378, 0.4827

Deuteranopia

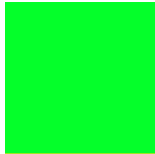
69.8929, 0.3954, 0.3968



Tritanopia

71.3658, 0.2381, 0.3075

Trichromacy



Original Color

71.7130, 0.2968, 0.5875



Protanomaly

64.5483, 0.3601, 0.5406



Deuteranomaly

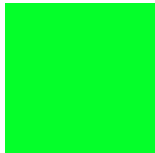
63.9134, 0.3407, 0.4787



Tritanomaly

69.3716, 0.2606, 0.4184

Monochromacy



Original Color

71.7130, 0.2968, 0.5875



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

41.7038, 0.2974, 0.4541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7194, 0.2968, 0.5875 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(4, 255, 42)` looks like.

```
.text, #text, p{  
    color:rgb(4, 255, 42)  
}
```

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(4, 255, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 255, 42) }
```

Border

The CSS property to change the border of an element to Yxy 71.7194, 0.2968, 0.5875 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(4, 255, 42) }
```

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

```
.border{ border-color:rgb(4, 255, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 255, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 255, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 255, 42);  
box-shadow:4px 4px 4px 4px rgb(4, 255, 42)  
}
```


Background

The CSS property to change the background color of an element to Yxy 71.7194, 0.2968, 0.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 255, 42) }
```

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

```
.background{ background-color: rgb(4, 255,  
42) }
```

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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