

Converting Colors

$Y_{xy}(71.7143, 0.3017, 0.5987)$

Have a look what the booklet for
Yxy(71.7143, 0.3017, 0.5987)
contains.

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Color

Yxy(71.7142, 0.3017, 0.5987)

Conversions

Conversions Part 1

Format	Color
Hex	18FF00
RGB	24, 255, 0
RGB Percent	9%, 100%, 0%
CMY	0.9052, 0.0000, 1.0000
CMYK	0.91, 0.00, 1.00, 0.00
HSL	114°, 100%, 50%
HSV	114°, 100%, 100%
XYZ	36.1386, 71.7142, 11.9304
YIQ	156.8610, -55.8210, -128.2770

Conversions

Conversions Part 2

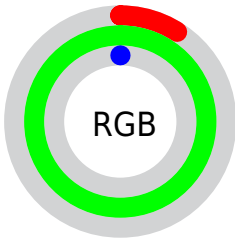
Format	Color
RYB	0, 255, 231
Decimal	1638144
CIELab	87.83, -85.32, 83.32
CIELCh	88, 119.251, 135.681
Yxy	71.7142, 0.3017, 0.5987
Android (android.graphics.Color)	4279828224 (0xFF18FF00)
YUV	156.8610, -77.3325, -116.5191
Hunter-Lab	84.6842, -72.0234, 50.9261

Details

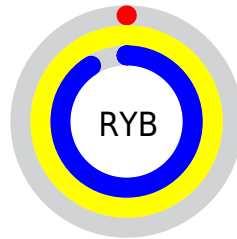
The Yxy color **71.7142, 0.3017, 0.5987** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **24.1809, 0.2967, 0.1408**, and the grayscale version is **34.0488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5778, 0.3171, 0.5279**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7163, 0.3017, 0.5987**, and if you desaturate by 10%, it is **72.2027, 0.3037, 0.5906**.

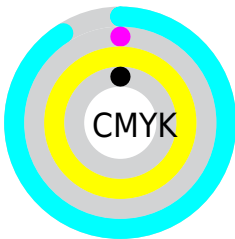
Distribution



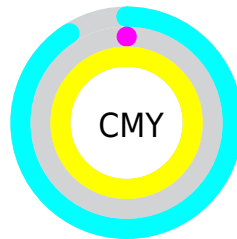
- Red (9%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (91%)



- Cyan (91%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (91%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7142, 0.3017, 0.5987 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 71.7142, 0.3017, 0.5987 by changing the saturation by 10% instead.


 71.7142, 0.3017,
0.5987


 71.7142, 0.3017,
0.5987


466.5462, 0.3202,
0.4654


 52.9252, 0.2935,
0.6285


 121.6501, 0.3113,
0.5523

 37.7431, 0.2812,
0.6638


 153.5659, 0.3141,
0.5342


 25.7834, 0.2629,
0.7054


 190.6260, 0.3161,
0.5186

 16.6616, 0.2379,
0.7621

 233.2149, 0.3175,
0.5050

 9.9935, 0.1937,
0.8063

 281.7170, 0.3186,
0.4932

 5.3947, 0.1355,
0.8645


 336.5166, 0.3193,

 2.4806, 0.0000,


0.4828


1.0000


397.9982, 0.3198,
0.4736


 0.8669, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.7142, 0.3017,
0.5987


 71.7142, 0.3017,
0.5987


 71.7163, 0.3017,
0.5987


 72.2027, 0.3037,
0.5906

 73.0736, 0.3060,
0.5746


 74.3978, 0.3081,
0.5506

 76.2267, 0.3100,
0.5202

 78.6048, 0.3114,
0.4860

 81.5714, 0.3124,
0.4506

 85.1624, 0.3129,
0.4161

 89.4107, 0.3131,
0.3840

 94.3470, 0.3130,
0.3548

Harmonies

Analogous

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



71.7142, 0.4197, 0.5526



71.7142, 0.3017, 0.5987



71.7142, 0.1918, 0.4944

Triad

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



71.7142, 0.3017, 0.5987



71.7142, 0.1169, 0.1509



71.7142, 0.5409, 0.2869

Complementary

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



71.7142, 0.3017, 0.5987



24.1809, 0.2967, 0.1408

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.



71.7142, 0.4103, 0.2168



71.7142, 0.3017, 0.5987



71.7142, 0.1676, 0.1432

Square

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



71.7142, 0.3017, 0.5987



71.7142, 0.1021, 0.1993



71.7142, 0.2660, 0.1658



71.7142, 0.5784, 0.3646

Rectangle

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



71.7142, 0.3017, 0.5987



71.7142, 0.1399, 0.3709



71.7142, 0.2660, 0.1658



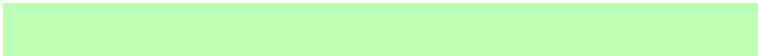
71.7142, 0.5049, 0.2623

Sweetspot

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



71.7163, 0.3017, 0.5987



85.1624, 0.3129, 0.4161



77.5757, 0.4384, 0.4901



17.8874, 0.3127, 0.4305



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.



71.7163, 0.3017, 0.5987



72.4793, 0.2823, 0.5361



20.2504, 0.3130, 0.3535



37.5006, 0.3021, 0.5983



3.6776, 0.3065, 0.5948

Inverse Universe

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



24.1809, 0.2967, 0.1408



23.5599, 0.4573, 0.2293



18.2077, 0.3123, 0.3055



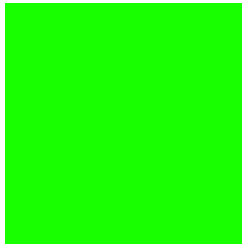
12.6709, 0.2971, 0.1410



1.2581, 0.3000, 0.1426

Previews

White Background



This preview shows how the Yxy color 71.7142, 0.3017, 0.5987 looks on a white background.

Color Contrast Check

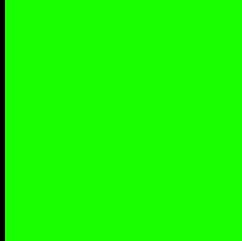
Large Text (above 18pt) WCAG AA × Fail

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 71.7142, 0.3017, 0.5987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

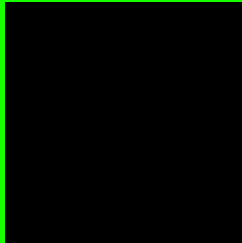
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7142, 0.3017, 0.5987

Background



This preview shows how black text looks on a background with the Yxy color 71.7142, 0.3017, 0.5987.



This preview shows how white text looks on a background with the Yxy color 71.7142, 0.3017, 0.5987.

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

71.7142, 0.3017, 0.5987

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

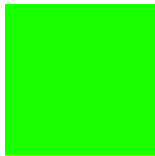
69.8621, 0.3961, 0.3978



Tritanopia

70.8557, 0.2382, 0.3063

Trichromacy



Original Color

71.7142, 0.3017, 0.5987



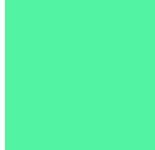
Protanomaly

65.1512, 0.3690, 0.5452



Deuteranomaly

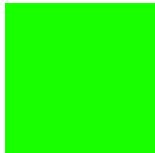
64.3688, 0.3535, 0.4926



Tritanomaly

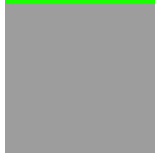
68.5037, 0.2700, 0.4398

Monochromacy



Original Color

71.7142, 0.3017, 0.5987



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

42.3112, 0.3118, 0.4767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7142, 0.3017, 0.5987 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(24, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(24, 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(24, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 71.7142, 0.3017, 0.5987 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(24, 255, 0) }
```

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

```
.border{ border-color:rgb(24, 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(24, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(24, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 71.7142, 0.3017, 0.5987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 255, 0) }
```

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

```
.background{ background-color: rgb(24, 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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