

Converting Colors

$Y_{xy}(71.5605, 0.3003, 0.5997)$

Have a look what the booklet for
Yxy(71.5605, 0.3003, 0.5997)
contains.

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Color

Yxy(71.5587, 0.3003, 0.5997)

Conversions

Conversions Part 1

Format	Color
Hex	06FF00
RGB	6, 255, 0
RGB Percent	2%, 100%, 0%
CMY	0.9779, 0.0000, 0.9986
CMYK	0.98, 0.00, 1.00, 0.00
HSL	119°, 100%, 50%
HSV	119°, 100%, 100%
XYZ	35.8330, 71.5587, 11.9324
YIQ	151.4790, -66.5490, -132.0930

Conversions

Conversions Part 2

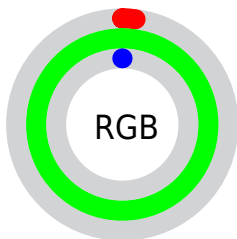
Format	Color
RYB	0, 255, 249
Decimal	458496
CIELab	87.76, -86.02, 83.18
CIELCh	88, 119.659, 135.961
Yxy	71.5587, 0.3003, 0.5997
Android (android.graphics.Color)	4278648576 (0xFF06FF00)
YUV	151.4790, -74.6791, -127.5851
Hunter-Lab	84.5924, -72.4247, 50.8513

Details

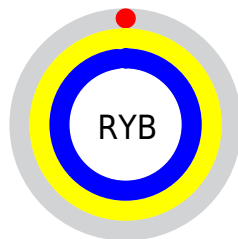
The Yxy color **71.5587, 0.3003, 0.5997** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **27.4981, 0.3157, 0.1513**, and the grayscale version is **31.4799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3577, 0.3156, 0.5288**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.5542, 0.3003, 0.5998**, and if you desaturate by 10%, it is **71.8791, 0.3009, 0.5926**.

Distribution



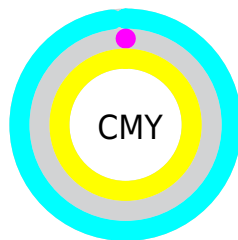
- Red (2%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5587, 0.3003, 0.5997 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 71.5587, 0.3003, 0.5997 by changing the saturation by 10% instead.

 71.5587, 0.3003,
0.5997

 71.5587, 0.3003,
0.5997


466.0041, 0.3195,
0.4657


 52.7983, 0.2919,
0.6297


 121.4289, 0.3102,
0.5530


 37.6417, 0.2795,
0.6653


 153.3075, 0.3130,
0.5348

 25.7048, 0.2609,
0.7072


 190.3275, 0.3151,
0.5191

 16.6029, 0.2356,
0.7644

 232.8735, 0.3166,
0.5055

 9.9518, 0.1911,
0.8089

 281.3297, 0.3177,
0.4936

 5.3670, 0.1326,
0.8674

 336.0807, 0.3185,

 2.4642, 0.0000,

0.4832

1.0000

397.5107, 0.3191,
0.4740

■ 0.8586, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 71.5587, 0.3003,
0.5997

■ 71.5587, 0.3003,
0.5997


■ 71.5542, 0.3003,
0.5998


■ 71.8791, 0.3009,
0.5926


■ 72.5907, 0.3020,
0.5773


■ 73.7830, 0.3034,
0.5534


■ 75.5208, 0.3049,
0.5226

 77.8589, 0.3066,
0.4878

 80.8452, 0.3081,
0.4517

 84.5231, 0.3095,
0.4166

 88.9320, 0.3108,
0.3839

 94.1085, 0.3118,
0.3545

Harmonies

Analogous

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



71.5587, 0.4186, 0.5539



71.5587, 0.3003, 0.5997



71.5587, 0.1904, 0.4936

Triad

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



71.5587, 0.3003, 0.5997



71.5587, 0.1167, 0.1502



71.5587, 0.5427, 0.2873

Complementary

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



71.5587, 0.3003, 0.5997



27.4981, 0.3157, 0.1513

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.



71.5587, 0.4121, 0.2170



71.5587, 0.3003, 0.5997



71.5587, 0.1679, 0.1427

Square

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



71.5587, 0.3003, 0.5997



71.5587, 0.1015, 0.1981



71.5587, 0.2670, 0.1657



71.5587, 0.5791, 0.3652

Rectangle

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



71.5587, 0.3003, 0.5997



71.5587, 0.1388, 0.3693



71.5587, 0.2670, 0.1657



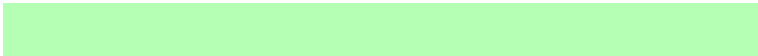
71.5587, 0.5068, 0.2627

Sweetspot

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



71.5571, 0.3003, 0.5997



84.4685, 0.3095, 0.4170



87.4839, 0.4253, 0.5004



17.7301, 0.3089, 0.4316



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.



71.5571, 0.3003, 0.5997



71.5542, 0.3003, 0.5998



72.8586, 0.2764, 0.5150



20.1861, 0.3119, 0.3536



37.3964, 0.3004, 0.5997



3.6472, 0.3014, 0.5989

Inverse Universe

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



27.4981, 0.3157, 0.1513



27.4893, 0.3156, 0.1512



23.0497, 0.4854, 0.2448



18.2800, 0.3135, 0.3056



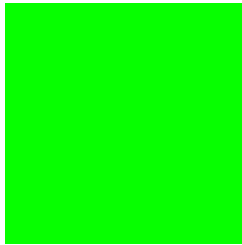
14.3725, 0.3157, 0.1513



1.4053, 0.3164, 0.1516

Previews

White Background



This preview shows how the Yxy color 71.5587, 0.3003, 0.5997 looks on a white background.

Color Contrast Check

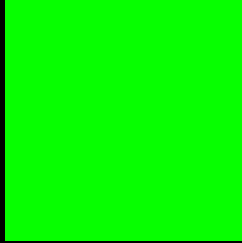
Large Text (above 18pt) WCAG AA × Fail

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 71.5587, 0.3003, 0.5997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

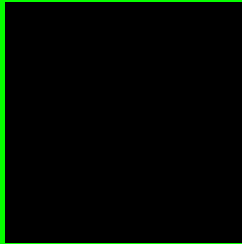
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

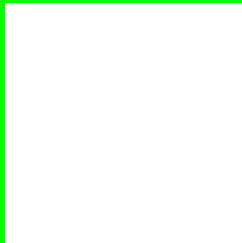
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5587, 0.3003, 0.5997

Background



This preview shows how black text looks on a background with the Yxy color 71.5587, 0.3003, 0.5997.



This preview shows how white text looks on a background with the Yxy color 71.5587, 0.3003, 0.5997.

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

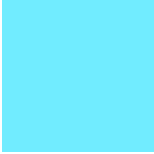
71.5587, 0.3003, 0.5997

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

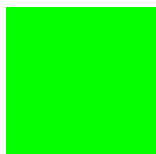
69.8317, 0.3968, 0.3987



Tritanopia

70.7216, 0.2375, 0.3062

Trichromacy



Original Color

71.5587, 0.3003, 0.5997



Protanomaly

64.5228, 0.3646, 0.5487



Deuteranomaly

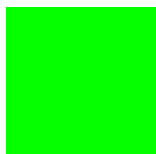
63.5860, 0.3488, 0.4965



Tritanomaly

68.1657, 0.2676, 0.4406

Monochromacy



Original Color

71.5587, 0.3003, 0.5997



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

39.8364, 0.3068, 0.4823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5587, 0.3003, 0.5997 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(6, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(6, 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(6, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 71.5587, 0.3003, 0.5997 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(6, 255, 0) }
```

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

```
.border{ border-color:rgb(6, 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(6, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 255, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 255, 0); box-shadow:4px  
4px 4px 4px rgb(6, 255, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5587, 0.3003, 0.5997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 255, 0) }
```

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

```
.background{ background-color: rgb(6, 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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