

Converting Colors

$Yxy(68.5955, 0.3026, 0.5980)$

Have a look what the booklet for
Yxy(68.5955, 0.3026, 0.5980)
contains.

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Color

Yxy(68.6625, 0.3026, 0.5979)

Conversions

Conversions Part 1

Format	Color
Hex	1FFA00
RGB	31, 250, 0
RGB Percent	12%, 98%, 0%
CMY	0.8786, 0.0196, 0.9992
CMYK	0.88, 0.00, 1.00, 0.02
HSL	113°, 100%, 49%
HSV	113°, 100%, 98%
XYZ	34.7504, 68.6625, 11.4265
YIQ	156.0190, -50.2740, -124.1780

Conversions

Conversions Part 2

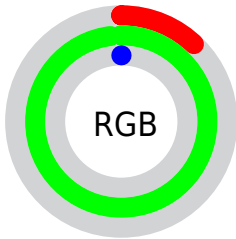
Format	Color
RYB	0, 250, 219
Decimal	2095616
CIELab	86.34, -83.58, 82.11
CIELCh	86, 117.161, 135.509
Yxy	68.6625, 0.3026, 0.5979
Android (android.graphics.Color)	4280285696 (0xFF1FFA00)
YUV	156.0190, -76.9174, -109.6417
Hunter-Lab	82.8628, -70.1519, 49.8281

Details

The Yxy color **68.6625, 0.3026, 0.5979** 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 **22.0069, 0.2895, 0.1369**, and the grayscale version is **33.6276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6353, 0.3180, 0.5285**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.6621, 0.3026, 0.5979**, and if you desaturate by 10%, it is **69.1990, 0.3051, 0.5893**.

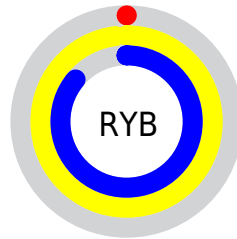
Distribution



Red (12%)

Green (98%)

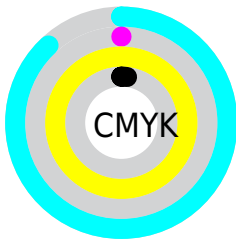
Blue (0%)



Red (0%)

Yellow (98%)

Blue (86%)

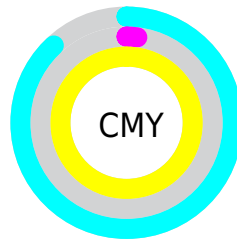


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (88%)


Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6625, 0.3026, 0.5979 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 68.6625, 0.3026, 0.5979 by changing the saturation by 10% instead.

 68.6625, 0.3026,
0.5979


 68.6625, 0.3026,
0.5979


455.8397, 0.3207,
0.4641


 50.4369, 0.2943,
0.6280


 117.2994, 0.3122,
0.5511


 35.7607, 0.2819,
0.6639


 148.4795, 0.3149,
0.5329


 24.2494, 0.2632,
0.7061


 184.7465, 0.3168,
0.5172

 15.5187, 0.2371,
0.7629

 226.4849, 0.3182,
0.5037

 9.1843, 0.1917,
0.8083

 274.0790, 0.3192,
0.4918

 4.8616, 0.1307,
0.8693

 327.9133, 0.3199,

 2.1663, 0.0000,

0.4815

1.0000

388.3720, 0.3204,
0.4723

■ 0.7015, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.6625, 0.3026,
0.5979

■ 68.6625, 0.3026,
0.5979

■ 68.6621, 0.3026,
0.5979

■ 69.1990, 0.3051,
0.5893

■ 70.0942, 0.3078,
0.5730

■ 71.4114, 0.3102,
0.5488

■ 73.1955, 0.3121,
0.5185

■ 75.4855, 0.3134,
0.4846

■ 78.3163, 0.3141,
0.4496

■ 81.7197, 0.3142,
0.4154

■ 85.7249, 0.3140,
0.3835

■ 90.3592, 0.3134,
0.3545

Harmonies

Analogous

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



68.6625, 0.4203, 0.5516



68.6625, 0.3026, 0.5979



68.6625, 0.1928, 0.4948

Triad

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



68.6625, 0.3026, 0.5979



68.6625, 0.1171, 0.1515



68.6625, 0.5397, 0.2866

Complementary

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



68.6625, 0.3026, 0.5979



22.0069, 0.2895, 0.1369

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.



68.6625, 0.4092, 0.2167



68.6625, 0.3026, 0.5979



68.6625, 0.1676, 0.1435

Square

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



68.6625, 0.3026, 0.5979



68.6625, 0.1025, 0.2001



68.6625, 0.2655, 0.1660



68.6625, 0.5779, 0.3643

Rectangle

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



68.6625, 0.3026, 0.5979



68.6625, 0.1407, 0.3719



68.6625, 0.2655, 0.1660



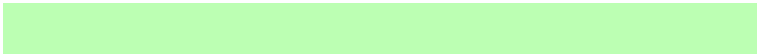
68.6625, 0.5036, 0.2621

Sweetspot

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



68.6654, 0.3026, 0.5979



85.4352, 0.3142, 0.4158



69.7958, 0.4454, 0.4845



17.9496, 0.3142, 0.4300



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.



68.6654, 0.3026, 0.5979



71.8174, 0.3026, 0.5980



69.1448, 0.2848, 0.5454



19.4115, 0.3134, 0.3534



36.4511, 0.3031, 0.5975



3.4075, 0.3087, 0.5931

Inverse Universe

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



22.0069, 0.2895, 0.1369



23.0053, 0.2894, 0.1368



22.8123, 0.4431, 0.2215



17.4098, 0.3118, 0.3055



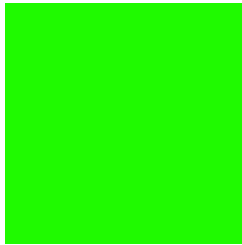
11.7112, 0.2900, 0.1371



1.1142, 0.2939, 0.1393

Previews

White Background



This preview shows how the Yxy color 68.6625, 0.3026, 0.5979 looks on a white background.

Color Contrast Check

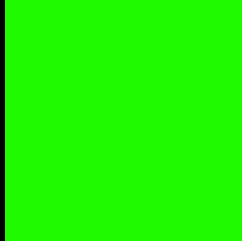
Large Text (above 18pt) WCAG AA × Fail

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 68.6625, 0.3026, 0.5979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

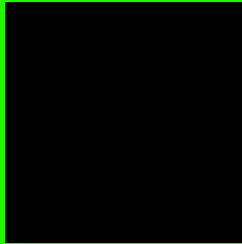
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

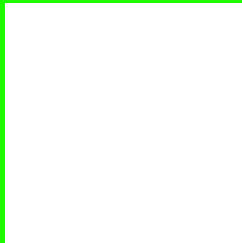
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6625, 0.3026, 0.5979

Background



This preview shows how black text looks on a background with the Yxy color 68.6625, 0.3026, 0.5979.



This preview shows how white text looks on a background with the Yxy color 68.6625, 0.3026, 0.5979.

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

68.6625, 0.3026, 0.5979

Protanopia

66.7939, 0.4409, 0.4882

Deuteranopia

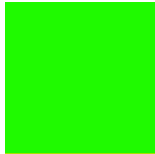
66.9090, 0.4113, 0.4102



Tritanopia

67.8664, 0.2364, 0.3058

Trichromacy



Original Color

68.6625, 0.3026, 0.5979



Protanomaly

62.9375, 0.3712, 0.5435



Deuteranomaly

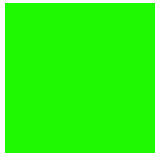
61.8204, 0.3631, 0.4986



Tritanomaly

65.9765, 0.2695, 0.4388

Monochromacy



Original Color

68.6625, 0.3026, 0.5979



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

41.1073, 0.3142, 0.4745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6625, 0.3026, 0.5979 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(31, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(31, 250, 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(31, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 68.6625, 0.3026, 0.5979 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(31, 250, 0) }
```

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

```
.border{ border-color:rgb(31, 250, 0) }
```

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

Here you see how a box with a 4 pixel rgb(31, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(31, 250, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 68.6625, 0.3026, 0.5979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 250, 0) }
```

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

```
.background{ background-color: rgb(31, 250,  
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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