

Converting Colors

$Y_{xy}(71.8715, 0.3019, 0.5950)$

Have a look what the booklet for
Yxy(71.8715, 0.3019, 0.5950)
contains.

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Color

Yxy(71.8807, 0.3020, 0.5950)

Conversions

Conversions Part 1

Format	Color
Hex	21FF10
RGB	33, 255, 16
RGB Percent	13%, 100%, 6%
CMY	0.8701, 0.0000, 0.9370
CMYK	0.87, 0.00, 0.94, 0.00
HSL	116°, 100%, 53%
HSV	116°, 94%, 100%
XYZ	36.4840, 71.8807, 12.4432
YIQ	161.3760, -55.5930, -121.3930

Conversions

Conversions Part 2

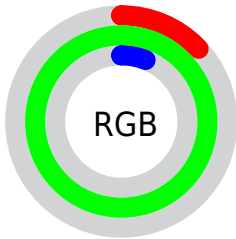
Format	Color
RYB	16, 255, 238
Decimal	2227984
CIELab	87.91, -84.52, 82.10
CIELCh	88, 117.828, 135.830
Yxy	71.8807, 0.3020, 0.5950
Android (android.graphics.Color)	4280418064 (0xFF21FF10)
YUV	161.3760, -71.6704, -112.5858
Hunter-Lab	84.7825, -71.5564, 50.6460

Details

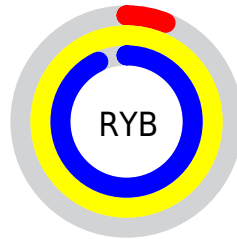
The Yxy color **71.8807, 0.3020, 0.5950** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **25.7594, 0.3038, 0.1464**, and the grayscale version is **36.2075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8766, 0.3173, 0.5232**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6506, 0.3011, 0.5991**, and if you desaturate by 10%, it is **72.5483, 0.3039, 0.5825**.

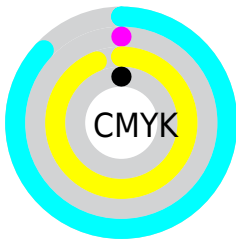
Distribution



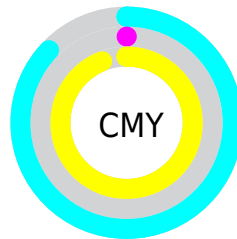
- Red (13%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (93%)



- Cyan (87%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)




- Cyan (87%)
- Magenta (0%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8807, 0.3020, 0.5950 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 71.8807, 0.3020, 0.5950 by changing the saturation by 10% instead.


 71.8807, 0.3020,
0.5950

 71.8807, 0.3020,
0.5950


467.1263, 0.3199,
0.4634

 53.0612, 0.2940,
0.6245


 121.8869, 0.3113,
0.5491

 37.8517, 0.2822,
0.6597


 153.8424, 0.3140,
0.5312


 25.8676, 0.2644,
0.7013


 190.9454, 0.3159,
0.5158

 16.7246, 0.2401,
0.7583

 233.5803, 0.3173,
0.5025

 10.0383, 0.1967,
0.8033

 282.1314, 0.3183,
0.4908

 5.4244, 0.1388,
0.8612


 336.9832, 0.3190,

 2.4983, 0.0000,

0.4806


1.0000

398.5200, 0.3196,
0.4715

 0.8758, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.8807, 0.3020,
0.5950


 71.8807, 0.3020,
0.5950


 71.6506, 0.3011,
0.5991

 72.5483, 0.3039,
0.5825


 73.6528, 0.3058,
0.5614

 75.2557, 0.3077,
0.5330

 77.4068, 0.3093,
0.4997

 80.1500, 0.3106,
0.4643

 83.5247, 0.3116,
0.4291

 87.5667, 0.3122,
0.3957

 92.3094, 0.3126,
0.3653

 97.7838, 0.3127,
0.3382

Harmonies

Analogous

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



71.8807, 0.4190, 0.5512



71.8807, 0.3020, 0.5950



71.8807, 0.1930, 0.4912

Triad

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



71.8807, 0.3020, 0.5950



71.8807, 0.1186, 0.1524



71.8807, 0.5387, 0.2880

Complementary

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



71.8807, 0.3020, 0.5950



25.7594, 0.3038, 0.1464

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.



71.8807, 0.4100, 0.2182



71.8807, 0.3020, 0.5950



71.8807, 0.1694, 0.1447

Square

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



71.8807, 0.3020, 0.5950



71.8807, 0.1038, 0.2005



71.8807, 0.2673, 0.1674



71.8807, 0.5757, 0.3656

Rectangle

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



71.8807, 0.3020, 0.5950



71.8807, 0.1414, 0.3698



71.8807, 0.2673, 0.1674



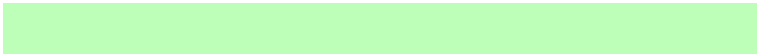
71.8807, 0.5032, 0.2636

Sweetspot

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



71.8831, 0.3020, 0.5950



85.7442, 0.3120, 0.4097



80.7653, 0.4329, 0.4920



17.9887, 0.3117, 0.4243



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.



71.8831, 0.3020, 0.5950



71.6506, 0.3011, 0.5991



72.8830, 0.2785, 0.5191



20.2300, 0.3126, 0.3535



37.4614, 0.3015, 0.5988



3.6680, 0.3049, 0.5961

Inverse Universe

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



25.7594, 0.3038, 0.1464



25.1889, 0.3027, 0.1441



24.0141, 0.4524, 0.2293



18.2305, 0.3127, 0.3055



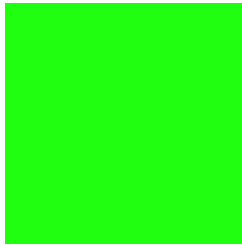
13.1897, 0.3030, 0.1443



1.3032, 0.3052, 0.1455

Previews

White Background



This preview shows how the Yxy color 71.8807, 0.3020, 0.5950 looks on a white background.

Color Contrast Check

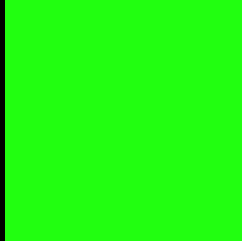
Large Text (above 18pt) WCAG AA × Fail

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 71.8807, 0.3020, 0.5950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

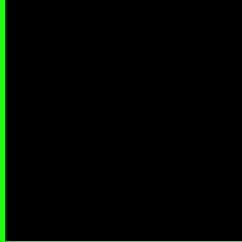
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8807, 0.3020, 0.5950

Background



This preview shows how black text looks on a background with the Yxy color 71.8807, 0.3020, 0.5950.



This preview shows how white text looks on a background with the Yxy color 71.8807, 0.3020, 0.5950.

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

71.8807, 0.3020, 0.5950

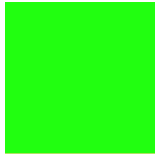
Deuteranopia

69.8929, 0.3954, 0.3968

Tritanopia

70.9928, 0.2390, 0.3063

Trichromacy



Original Color

71.8807, 0.3020, 0.5950



Deuteranomaly

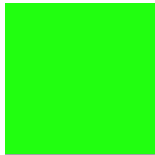
64.8187, 0.3529, 0.4854



Tritanomaly

68.9546, 0.2689, 0.4307

Monochromacy



Original Color

71.8807, 0.3020, 0.5950



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

43.7578, 0.3112, 0.4648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8807, 0.3020, 0.5950 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(33, 255, 16)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 16)  
}
```

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(33, 255, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 16) }
```

Border

The CSS property to change the border of an element to Yxy 71.8807, 0.3020, 0.5950 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(33, 255, 16) }
```

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

```
.border{ border-color:rgb(33, 255, 16) }
```

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

Here you see how a box with a 4 pixel rgb(33, 255, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 16);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
16) }
```

Background

The CSS property to change the background color of an element to Yxy 71.8807, 0.3020, 0.5950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 16) }
```

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

```
.background{ background-color: rgb(33, 255,  
16) }
```

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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