

Converting Colors

$Y_{xy}(70.2889, 0.3007, 0.5783)$

Have a look what the booklet for
Yxy(70.2889, 0.3007, 0.5783)
contains.

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Color

Yxy(70.5041, 0.3008, 0.5786)

Conversions

Conversions Part 1

Format	Color
Hex	31FC32
RGB	49, 252, 50
RGB Percent	19%, 99%, 20%
CMY	0.8078, 0.0117, 0.8038
CMYK	0.81, 0.00, 0.80, 0.01
HSL	120°, 97%, 59%
HSV	120°, 81%, 99%
XYZ	36.6534, 70.5041, 14.6955
YIQ	168.2750, -56.1460, -105.8580

Conversions

Conversions Part 2

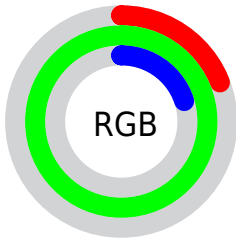
Format	Color
RYB	49, 251, 252
Decimal	3275826
CIELab	87.24, -81.08, 75.42
CIELCh	87, 110.729, 137.071
Yxy	70.5041, 0.3008, 0.5786
Android (android.graphics.Color)	4281465906 (0xFF31FC32)
YUV	168.2750, -58.3096, -104.6042
Hunter-Lab	83.9667, -69.0225, 48.4000

Details

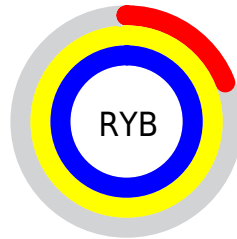
The Yxy color **70.5041, 0.3008, 0.5786** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **29.8588, 0.3215, 0.1637**, and the grayscale version is **39.6174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6178, 0.3135, 0.5042**, and **38.5836, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.8851, 0.3002, 0.5933**, and if you desaturate by 10%, it is **71.5969, 0.3018, 0.5552**.

Distribution



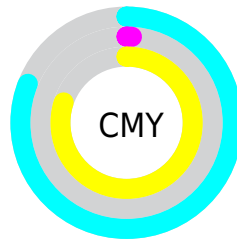
- Red (19%)
- Green (99%)
- Blue (20%)



- Red (19%)
- Yellow (98%)
- Blue (99%)



- Cyan (81%)
- Magenta (0%)
- Yellow (80%)
- Black (1%)





- Cyan (81%)
- Magenta (1%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5041, 0.3008, 0.5786 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 70.5041, 0.3008, 0.5786 by changing the saturation by 10% instead.


 70.5041, 0.3008,
0.5786

 70.5041, 0.3008,
0.5786


462.3180, 0.3173,
0.4539

 51.9376, 0.2937,
0.6074


 119.9274, 0.3092,
0.5346


 36.9553, 0.2831,
0.6422


 151.5529, 0.3116,
0.5176

 25.1729, 0.2670,
0.6843


 188.3003, 0.3134,
0.5030

 16.2059, 0.2431,
0.7376

 230.5538, 0.3147,
0.4904

 9.6700, 0.2045,
0.7955

 278.6980, 0.3157,
0.4795

 5.1807, 0.1464,
0.8536

333.1171, 0.3164,

 2.3537, 0.0000,

0.4699

1.0000

394.1957, 0.3169,
0.4614

■ 0.8019, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.5041, 0.3008,
0.5786

■ 70.5041, 0.3008,
0.5786

■ 69.8851, 0.3002,
0.5933

■ 71.5969, 0.3018,
0.5552

■ 69.6260, 0.2999,
0.5998


■ 73.2227, 0.3032,
0.5248

■ 75.4412, 0.3049,
0.4901


■ 78.3021, 0.3066,
0.4539

 81.8497, 0.3083,
0.4187

 86.1245, 0.3099,
0.3859

 91.1638, 0.3114,
0.3563

 97.0025, 0.3126,
0.3303

 98.1033, 0.3128,
0.3262

Harmonies

Analogous

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



70.5041, 0.4138, 0.5466



70.5041, 0.3008, 0.5786



70.5041, 0.1960, 0.4745

Triad

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



70.5041, 0.3008, 0.5786



70.5041, 0.1268, 0.1584



70.5041, 0.5306, 0.2943

Complementary

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



70.5041, 0.3008, 0.5786



29.8588, 0.3215, 0.1637

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.



70.5041, 0.4113, 0.2256



70.5041, 0.3008, 0.5786



70.5041, 0.1782, 0.1518

Square

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



70.5041, 0.3008, 0.5786



70.5041, 0.1111, 0.2040



70.5041, 0.2749, 0.1751



70.5041, 0.5639, 0.3709

Rectangle

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



70.5041, 0.3008, 0.5786



70.5041, 0.1468, 0.3617



70.5041, 0.2749, 0.1751



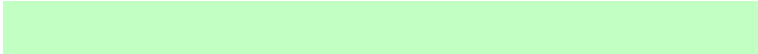
70.5041, 0.4980, 0.2703

Sweetspot

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



70.5070, 0.3008, 0.5786



86.8626, 0.3093, 0.3969



90.5413, 0.4139, 0.4962



18.2586, 0.3088, 0.4086



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.



70.5070, 0.3008, 0.5786



71.5888, 0.3000, 0.5982



72.4950, 0.2686, 0.4677



19.3106, 0.3115, 0.3534



36.2683, 0.2999, 0.5997



3.3595, 0.2997, 0.5989

Inverse Universe

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



29.8588, 0.3215, 0.1637



28.5673, 0.3221, 0.1555



25.1123, 0.4527, 0.2430



17.5230, 0.3139, 0.3058



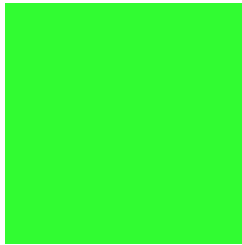
14.4012, 0.3222, 0.1548



1.3343, 0.3220, 0.1547

Previews

White Background



This preview shows how the Yxy color 70.5041, 0.3008, 0.5786 looks on a white background.

Color Contrast Check

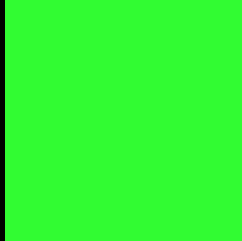
Large Text (above 18pt) WCAG AA × Fail

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 70.5041, 0.3008, 0.5786 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 70.5041, 0.3008, 0.5786

Background



This preview shows how black text looks on a background with the Yxy color 70.5041, 0.3008, 0.5786.

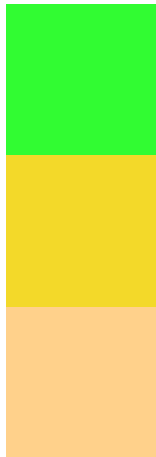


This preview shows how white text looks on a background with the Yxy color 70.5041, 0.3008, 0.5786.

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

70.5041, 0.3008, 0.5786

Protanopia

68.8405, 0.4344, 0.4810

Deuteranopia

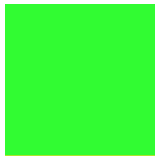
68.7250, 0.4006, 0.4007



Tritanopia

70.0831, 0.2377, 0.3062

Trichromacy



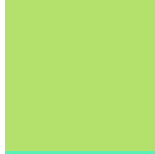
Original Color

70.5041, 0.3008, 0.5786



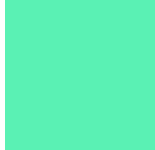
Protanomaly

65.5461, 0.3693, 0.5289



Deuteranomaly

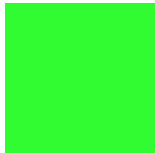
64.6153, 0.3537, 0.4722



Tritanomaly

68.3795, 0.2640, 0.4110

Monochromacy



Original Color

70.5041, 0.3008, 0.5786



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

46.6875, 0.3075, 0.4406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5041, 0.3008, 0.5786 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(49, 252, 50)` looks like.

```
.text, #text, p{  
    color:rgb(49, 252, 50)  
}
```

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(49, 252, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 252, 50) }
```

Border

The CSS property to change the border of an element to Yxy 70.5041, 0.3008, 0.5786 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(49, 252, 50) }
```

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

```
.border{ border-color:rgb(49, 252, 50) }
```

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

Here you see how a box with a 4 pixel rgb(49, 252, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 252, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 252, 50);  
box-shadow:4px 4px 4px 4px rgb(49, 252,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5041, 0.3008, 0.5786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 252, 50) }
```

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

```
.background{ background-color: rgb(49, 252,  
50) }
```

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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