

Converting Colors

$Y_{xy}(72.1025, 0.3034, 0.5926)$

Have a look what the booklet for
Yxy(72.1025, 0.3034, 0.5926)
contains.

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Color

Yxy(72.1060, 0.3035, 0.5927)

Conversions

Conversions Part 1

Format	Color
Hex	2CFF14
RGB	44, 255, 20
RGB Percent	17%, 100%, 8%
CMY	0.8276, 0.0000, 0.9220
CMYK	0.83, 0.00, 0.92, 0.00
HSL	114°, 100%, 54%
HSV	114°, 92%, 100%
XYZ	36.9228, 72.1060, 12.6280
YIQ	165.1210, -50.3210, -117.8170

Conversions

Conversions Part 2

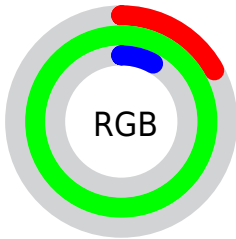
Format	Color
RYB	20, 255, 231
Decimal	2948884
CIELab	88.02, -83.53, 81.81
CIELCh	88, 116.921, 135.596
Yxy	72.1060, 0.3035, 0.5927
Android (android.graphics.Color)	4281138964 (0xFF2CFF14)
YUV	165.1210, -71.5447, -106.2231
Hunter-Lab	84.9153, -70.9863, 50.6235

Details

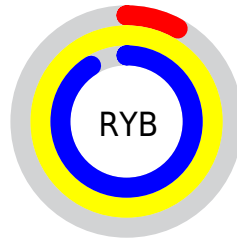
The Yxy color **72.1060, 0.3035, 0.5927** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **24.6963, 0.2968, 0.1431**, and the grayscale version is **38.0449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2084, 0.3190, 0.5210**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7409, 0.3019, 0.5985**, and if you desaturate by 10%, it is **72.9006, 0.3059, 0.5785**.

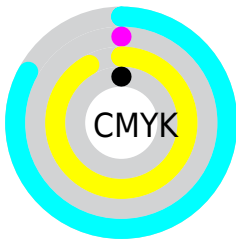
Distribution



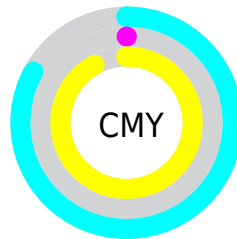
- Red (17%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (91%)



- Cyan (83%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)





- Cyan (83%)
- Magenta (0%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1060, 0.3035, 0.5927 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 72.1060, 0.3035, 0.5927 by changing the saturation by 10% instead.


 72.1060, 0.3035,
0.5927


 72.1060, 0.3035,
0.5927


467.9105, 0.3205,
0.4624

 53.2453, 0.2958,
0.6219


 122.2072, 0.3125,
0.5473


 37.9986, 0.2843,
0.6568


 154.2165, 0.3150,
0.5296


 25.9816, 0.2669,
0.6980


 191.3774, 0.3169,
0.5143

 16.8099, 0.2430,
0.7540

 234.0744, 0.3182,
0.5011

 10.0990, 0.2004,
0.7996

 282.6918, 0.3191,
0.4896

 5.4647, 0.1429,
0.8571

 337.6140, 0.3198,

 2.5224, 0.0000,

0.4794

1.0000

399.2254, 0.3202,
0.4704

■ 0.8878, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.1060, 0.3035,
0.5927

■ 72.1060, 0.3035,
0.5927


■ 71.7409, 0.3019,
0.5985


■ 72.9006, 0.3059,
0.5785


■ 74.1344, 0.3082,
0.5561


■ 75.8583, 0.3102,
0.5269

■ 78.1171, 0.3117,
0.4934

 80.9503, 0.3127,
0.4582

 84.3939, 0.3132,
0.4235

 88.4807, 0.3133,
0.3907

 93.2412, 0.3132,
0.3609

 98.7042, 0.3128,
0.3344

Harmonies

Analogous

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



72.1060, 0.4198, 0.5494



72.1060, 0.3035, 0.5927



72.1060, 0.1948, 0.4909

Triad

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



72.1060, 0.3035, 0.5927



72.1060, 0.1195, 0.1537



72.1060, 0.5361, 0.2880

Complementary

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



72.1060, 0.3035, 0.5927



24.6963, 0.2968, 0.1431

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.



72.1060, 0.4081, 0.2185



72.1060, 0.3035, 0.5927



72.1060, 0.1697, 0.1457

Square

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



72.1060, 0.3035, 0.5927



72.1060, 0.1050, 0.2021



72.1060, 0.2667, 0.1681



72.1060, 0.5741, 0.3653

Rectangle

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



72.1060, 0.3035, 0.5927



72.1060, 0.1431, 0.3709



72.1060, 0.2667, 0.1681



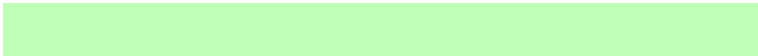
72.1060, 0.5007, 0.2636

Sweetspot

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



72.1047, 0.3035, 0.5927



86.0282, 0.3133, 0.4094



76.5618, 0.4385, 0.4866



18.0541, 0.3132, 0.4239



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.



72.1047, 0.3035, 0.5927



71.7409, 0.3019, 0.5985



72.7940, 0.2808, 0.5259



20.2570, 0.3131, 0.3535



37.5150, 0.3024, 0.5981



3.6808, 0.3070, 0.5944

Inverse Universe

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



24.6963, 0.2968, 0.1431



23.8626, 0.2948, 0.1397



24.4691, 0.4370, 0.2215



18.2004, 0.3122, 0.3055



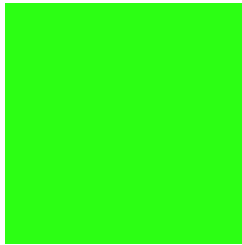
12.5070, 0.2952, 0.1400



1.2439, 0.2983, 0.1417

Previews

White Background



This preview shows how the Yxy color 72.1060, 0.3035, 0.5927 looks on a white background.

Color Contrast Check

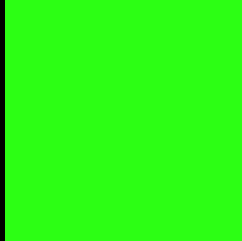
Large Text (above 18pt) WCAG AA × Fail

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 72.1060, 0.3035, 0.5927 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 72.1060, 0.3035, 0.5927

Background



This preview shows how black text looks on a background with the Yxy color 72.1060, 0.3035, 0.5927.



This preview shows how white text looks on a background with the Yxy color 72.1060, 0.3035, 0.5927.

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

72.1060, 0.3035, 0.5927

Protanopia

70.2559, 0.4404, 0.4885

Deuteranopia

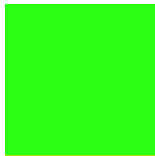
70.4223, 0.3942, 0.3968



Tritanopia

71.1328, 0.2397, 0.3064

Trichromacy



Original Color

72.1060, 0.3035, 0.5927



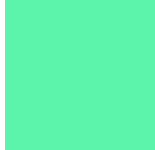
Protanomaly

66.6128, 0.3739, 0.5399



Deuteranomaly

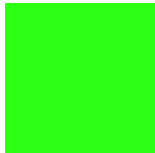
65.8719, 0.3546, 0.4826



Tritanomaly

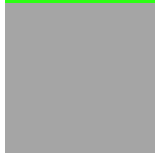
69.2788, 0.2697, 0.4274

Monochromacy



Original Color

72.1060, 0.3035, 0.5927



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

45.6230, 0.3128, 0.4602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1060, 0.3035, 0.5927 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(44, 255, 20)` looks like.

```
.text, #text, p{  
  color:rgb(44, 255, 20)  
}
```

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(44, 255, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 255, 20) }
```

Border

The CSS property to change the border of an element to Yxy 72.1060, 0.3035, 0.5927 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(44, 255, 20) }
```

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

```
.border{ border-color:rgb(44, 255, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 255, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 255, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 255, 20);  
box-shadow:4px 4px 4px 4px rgb(44, 255,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1060, 0.3035, 0.5927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 255, 20) }
```

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

```
.background{ background-color: rgb(44, 255,  
20) }
```

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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