

Converting Colors

$Y_{xy}(72.5743, 0.2877, 0.5462)$

Have a look what the booklet for
Yxy(72.5743, 0.2877, 0.5462)
contains.

Yxy(72.5687, 0.2876, 0.5460)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.5687, 0.2876, 0.5460)

Conversions

Conversions Part 1

Format	Color
Hex	1EFF5C
RGB	30, 255, 92
RGB Percent	12%, 100%, 36%
CMY	0.8827, 0.0000, 0.6392
CMYK	0.88, 0.00, 0.64, 0.00
HSL	137°, 100%, 56%
HSV	137°, 88%, 100%
XYZ	38.2248, 72.5687, 22.1162
YIQ	169.1430, -81.7770, -98.3930

Conversions

Conversions Part 2

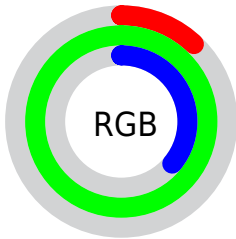
Format	Color
RYB	30, 206, 255
Decimal	2031452
CIELab	88.24, -80.25, 62.16
CIELCh	88, 101.509, 142.239
Yxy	72.5687, 0.2876, 0.5460
Android (android.graphics.Color)	4280221532 (0xFF1EFF5C)
YUV	169.1430, -38.0315, -122.0284
Hunter-Lab	85.1873, -68.9820, 44.2383

Details

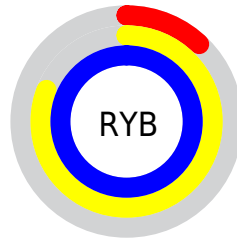
The Yxy color **72.5687, 0.2876, 0.5460** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **26.0299, 0.3946, 0.2001**, and the grayscale version is **39.9579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8691, 0.2940, 0.4646**, and **39.5788, 0.2963, 0.5868** is the 20% darker color. If you saturate the color by 10%, you get **72.0366, 0.2907, 0.5653**, and if you desaturate by 10%, it is **73.4797, 0.2858, 0.5225**.

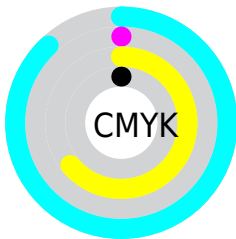
Distribution



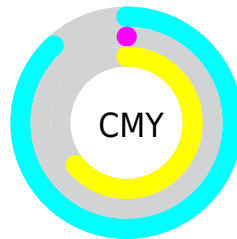
- Red (12%)
- Green (100%)
- Blue (36%)



- Red (12%)
- Yellow (81%)
- Blue (100%)



- Cyan (88%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)




- Cyan (88%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5687, 0.2876, 0.5460 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 72.5687, 0.2876, 0.5460 by changing the saturation by 10% instead.

 72.5687, 0.2876,
0.5460

 72.5687, 0.2876,
0.5460


469.5186, 0.3067,
0.4366


 53.6234, 0.2811,
0.5723


 122.8647, 0.2959,
0.5067


 38.3006, 0.2718,
0.6049


 154.9842, 0.2987,
0.4918

 26.2161, 0.2582,
0.6460


 192.2639, 0.3008,
0.4791

 16.9854, 0.2377,
0.6981


 235.0881, 0.3025,
0.4682

 10.2241, 0.2079,
0.7722

283.8413, 0.3039,
0.4587

 5.5478, 0.1559,
0.8441

338.9079, 0.3050,

 2.5721, 0.0000,

0.4504

1.0000

400.6722, 0.3059,
0.4431

■ 0.9127, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.5687, 0.2876,
0.5460

■ 72.5687, 0.2876,
0.5460

■ 72.0366, 0.2907,
0.5653


■ 73.4797, 0.2858,
0.5225

■ 71.9665, 0.2912,
0.5683


■ 74.8483, 0.2857,
0.4961


■ 76.7281, 0.2871,
0.4682

■ 79.1661, 0.2899,
0.4402

 82.2034, 0.2937,
0.4132

 85.8777, 0.2982,
0.3879

 90.2231, 0.3032,
0.3649

 95.2714, 0.3084,
0.3443

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



72.5687, 0.3939, 0.5419



72.5687, 0.2876, 0.5460



72.5687, 0.1930, 0.4343

Triad

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



72.5687, 0.2876, 0.5460



72.5687, 0.1444, 0.1668



72.5687, 0.5235, 0.3116

Complementary

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



72.5687, 0.2876, 0.5460



26.0299, 0.3946, 0.2001

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.



72.5687, 0.4250, 0.2439



72.5687, 0.2876, 0.5460



72.5687, 0.2006, 0.1650

Square

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



72.5687, 0.2876, 0.5460



72.5687, 0.1240, 0.2039



72.5687, 0.2986, 0.1919



72.5687, 0.5420, 0.3866

Rectangle

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



72.5687, 0.2876, 0.5460



72.5687, 0.1510, 0.3358



72.5687, 0.2986, 0.1919



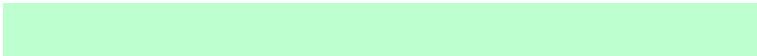
72.5687, 0.4981, 0.2880

Sweetspot

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



72.5673, 0.2876, 0.5460



86.8049, 0.2993, 0.3825



83.2120, 0.3752, 0.5337



18.2802, 0.2977, 0.3908



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.



72.5673, 0.2876, 0.5460



71.9665, 0.2912, 0.5683



76.0816, 0.2455, 0.3973



20.2505, 0.3078, 0.3467



37.6255, 0.2904, 0.5655



3.6810, 0.2844, 0.5437

Inverse Universe

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



26.0299, 0.3946, 0.2001



24.7484, 0.4076, 0.2019



22.7995, 0.5672, 0.2991



18.2098, 0.3180, 0.3119



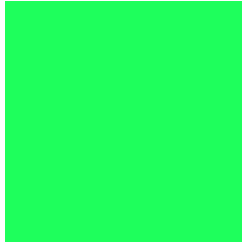
12.9581, 0.4059, 0.2009



1.2802, 0.3939, 0.1944

Previews

White Background



This preview shows how the Yxy color 72.5687, 0.2876, 0.5460 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 72.5687, 0.2876, 0.5460 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 72.5687, 0.2876, 0.5460

Background



This preview shows how black text looks on a background with the Yxy color 72.5687, 0.2876, 0.5460.

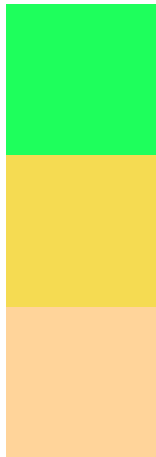


This preview shows how white text looks on a background with the Yxy color 72.5687, 0.2876, 0.5460.

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

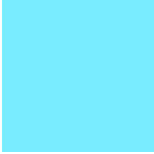
72.5687, 0.2876, 0.5460

Protanopia

70.6847, 0.4205, 0.4607

Deuteranopia

70.6801, 0.3885, 0.3888



Tritanopia

71.8533, 0.2407, 0.3076

Trichromacy



Original Color

72.5687, 0.2876, 0.5460



Protanomaly

66.6006, 0.3513, 0.5035



Deuteranomaly

66.0097, 0.3345, 0.4499



Tritanomaly

70.7616, 0.2567, 0.3919

Monochromacy



Original Color

72.5687, 0.2876, 0.5460



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.0832, 0.2926, 0.4183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5687, 0.2876, 0.5460 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(30, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(30, 255, 92)  
}
```

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(30, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 255, 92) }
```

Border

The CSS property to change the border of an element to Yxy 72.5687, 0.2876, 0.5460 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(30, 255, 92) }
```

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

```
.border{ border-color:rgb(30, 255, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 255, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(30, 255,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5687, 0.2876, 0.5460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 255, 92) }
```

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

```
.background{ background-color: rgb(30, 255,  
92) }
```

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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