

Converting Colors

$Y_{xy}(72.2979, 0.2873, 0.5516)$

Have a look what the booklet for
Yxy(72.2979, 0.2873, 0.5516)
contains.

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Color

Yxy(72.3027, 0.2872, 0.5512)

Conversions

Conversions Part 1

Format	Color
Hex	0CFF58
RGB	12, 255, 88
RGB Percent	5%, 100%, 35%
CMY	0.9527, 0.0000, 0.6550
CMYK	0.95, 0.00, 0.65, 0.00
HSL	139°, 100%, 52%
HSV	139°, 95%, 100%
XYZ	37.6730, 72.3027, 21.1976
YIQ	163.3050, -91.2210, -103.4530

Conversions

Conversions Part 2

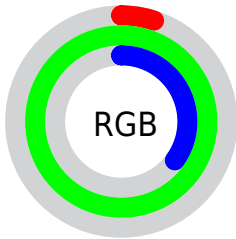
Format	Color
RYB	12, 197, 255
Decimal	851800
CIELab	88.11, -81.48, 63.59
CIELCh	88, 103.362, 142.031
Yxy	72.3027, 0.2872, 0.5512
Android (android.graphics.Color)	4279041880 (0xFF0CFF58)
YUV	163.3050, -37.1254, -132.6945
Hunter-Lab	85.0310, -69.7199, 44.7411

Details

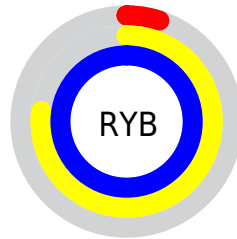
The Yxy color **72.3027, 0.2872, 0.5512** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **24.7832, 0.4155, 0.2080**, and the grayscale version is **36.9988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4556, 0.2940, 0.4704**, and **39.5458, 0.2975, 0.5911** is the 20% darker color. If you saturate the color by 10%, you get **72.0945, 0.2888, 0.5599**, and if you desaturate by 10%, it is **72.9545, 0.2843, 0.5302**.

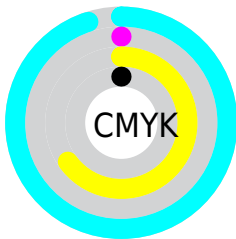
Distribution



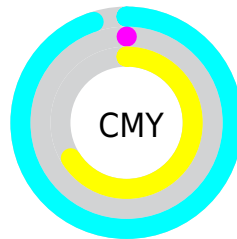
- Red (5%)
- Green (100%)
- Blue (35%)



- Red (5%)
- Yellow (77%)
- Blue (100%)



- Cyan (95%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)




- Cyan (95%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3027, 0.2872, 0.5512 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 72.3027, 0.2872, 0.5512 by changing the saturation by 10% instead.


 72.3027, 0.2872,
0.5512

 72.3027, 0.2872,
0.5512


468.5945, 0.3069,
0.4391

 53.4060, 0.2804,
0.5781


 122.4868, 0.2958,
0.5110


 38.1270, 0.2708,
0.6114


 154.5430, 0.2987,
0.4957

 26.0812, 0.2566,
0.6532


 191.7544, 0.3009,
0.4827

 16.8844, 0.2352,
0.7059

 234.5055, 0.3026,
0.4715

 10.1521, 0.2051,
0.7834

283.1807, 0.3040,
0.4617

 5.4999, 0.1507,
0.8493


338.1643, 0.3051,

 2.5435, 0.0000,


0.4532


1.0000


399.8408, 0.3061,
0.4457


 0.8983, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.3027, 0.2872,
0.5512


 72.3027, 0.2872,
0.5512


 72.0945, 0.2888,
0.5599


 72.9545, 0.2843,
0.5302


 74.0104, 0.2830,
0.5060

 75.5334, 0.2834,
0.4798


 77.5748, 0.2855,
0.4530

 80.1789, 0.2889,
0.4265

 83.3853, 0.2933,
0.4014

 87.2296, 0.2984,
0.3781

 91.7448, 0.3040,
0.3569

 96.9616, 0.3097,
0.3380

Harmonies

Analogous

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



72.3027, 0.3950, 0.5449



72.3027, 0.2872, 0.5512



72.3027, 0.1913, 0.4375

Triad

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



72.3027, 0.2872, 0.5512



72.3027, 0.1419, 0.1645



72.3027, 0.5270, 0.3102

Complementary

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



72.3027, 0.2872, 0.5512



24.7832, 0.4155, 0.2080

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.



72.3027, 0.4261, 0.2420



72.3027, 0.2872, 0.5512



72.3027, 0.1983, 0.1627

Square

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



72.3027, 0.2872, 0.5512



72.3027, 0.1215, 0.2021



72.3027, 0.2974, 0.1897



72.3027, 0.5458, 0.3858

Rectangle

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



72.3027, 0.2872, 0.5512



72.3027, 0.1487, 0.3365



72.3027, 0.2974, 0.1897



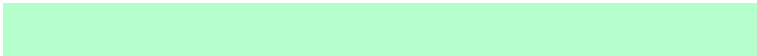
72.3027, 0.5009, 0.2865

Sweetspot

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



72.3030, 0.2872, 0.5512



85.7170, 0.2965, 0.3865



81.5067, 0.3681, 0.5440



18.0012, 0.2943, 0.3965



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.



72.3030, 0.2872, 0.5512



72.0945, 0.2888, 0.5599



76.0751, 0.2428, 0.3921



20.2617, 0.3073, 0.3458



37.6945, 0.2880, 0.5570



3.6889, 0.2818, 0.5345

Inverse Universe

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



24.7832, 0.4155, 0.2080



24.3677, 0.4217, 0.2097



21.8580, 0.5993, 0.3104



18.1981, 0.3186, 0.3128



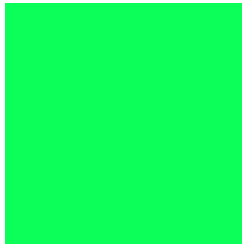
12.7608, 0.4196, 0.2085



1.2622, 0.4055, 0.2008

Previews

White Background



This preview shows how the Yxy color 72.3027, 0.2872, 0.5512 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 72.3027, 0.2872, 0.5512 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

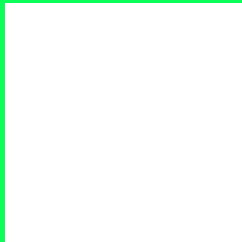
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.3027, 0.2872, 0.5512

Background



This preview shows how black text looks on a background with the Yxy color 72.3027, 0.2872, 0.5512.

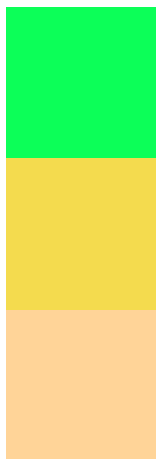


This preview shows how white text looks on a background with the Yxy color 72.3027, 0.2872, 0.5512.

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

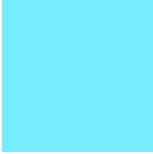
72.3027, 0.2872, 0.5512

Protanopia

70.4462, 0.4214, 0.4638

Deuteranopia

70.6140, 0.3899, 0.3908



Tritanopia

71.6399, 0.2396, 0.3075

Trichromacy



Original Color

72.3027, 0.2872, 0.5512



Protanomaly

65.7960, 0.3479, 0.5101



Deuteranomaly

65.2873, 0.3313, 0.4540



Tritanomaly

70.2587, 0.2549, 0.3952

Monochromacy



Original Color

72.3027, 0.2872, 0.5512



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

44.4456, 0.2890, 0.4230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3027, 0.2872, 0.5512 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(12, 255, 88)` looks like.

```
.text, #text, p{  
    color:rgb(12, 255, 88)  
}
```

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(12, 255, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 255, 88) }
```

Border

The CSS property to change the border of an element to Yxy 72.3027, 0.2872, 0.5512 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(12, 255, 88) }
```

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

```
.border{ border-color:rgb(12, 255, 88) }
```

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

Here you see how a box with a 4 pixel rgb(12, 255, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 255, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 255, 88);  
box-shadow:4px 4px 4px 4px rgb(12, 255,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3027, 0.2872, 0.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 255, 88) }
```

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

```
.background{ background-color: rgb(12, 255,  
88) }
```

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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