

Converting Colors

$Y_{xy}(64.2521, 0.2871, 0.5536)$

Have a look what the booklet for
Yxy(64.2521, 0.2871, 0.5536)
contains.

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Color

Yxy(64.0983, 0.2872, 0.5538)

Conversions

Conversions Part 1

Format	Color
Hex	00F251
RGB	0, 242, 81
RGB Percent	0%, 95%, 32%
CMY	0.9982, 0.0510, 0.6824
CMYK	1.00, 0.00, 0.67, 0.05
HSL	140°, 100%, 48%
HSV	140°, 100%, 95%
XYZ	33.2413, 64.0983, 18.4031
YIQ	151.2880, -92.5510, -101.3750

Conversions

Conversions Part 2

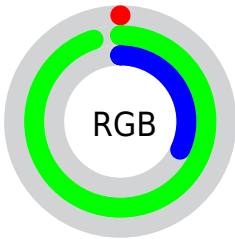
Format	Color
RYB	0, 181, 242
Decimal	62033
CIELab	84.02, -78.83, 61.86
CIELCh	84, 100.207, 141.877
Yxy	64.0983, 0.2872, 0.5538
Android (android.graphics.Color)	4278252113 (0xFF00F251)
YUV	151.2880, -34.6520, -132.6796
Hunter-Lab	80.0614, -65.9947, 42.4145

Details

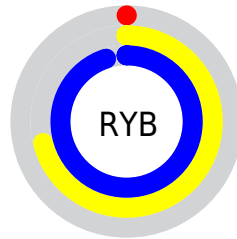
The Yxy color **64.0983, 0.2872, 0.5538** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated green. A complement of this color would be **21.4769, 0.4293, 0.2140**, and the grayscale version is **31.3210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9036, 0.2948, 0.4802**, and **34.3127, 0.2986, 0.5951** is the 20% darker color. If you saturate the color by 10%, you get **64.0933, 0.2873, 0.5541**, and if you desaturate by 10%, it is **64.5718, 0.2838, 0.5342**.

Distribution



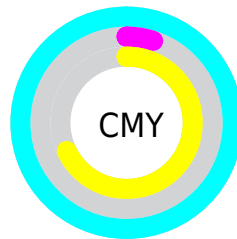
- Red (0%)
- Green (95%)
- Blue (32%)



- Red (0%)
- Yellow (71%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0983, 0.2872, 0.5538 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 64.0983, 0.2872, 0.5538 by changing the saturation by 10% instead.

 64.0983, 0.2872,
0.5538

 64.0983, 0.2872,
0.5538


439.5445, 0.3073,
0.4381


 46.7303, 0.2800,
0.5822


 110.7525, 0.2962,
0.5118

 32.8225, 0.2695,
0.6176


 140.8075, 0.2991,
0.4959

 21.9905, 0.2539,
0.6625


 175.8602, 0.3014,
0.4825

 13.8499, 0.2298,
0.7193

 216.2952, 0.3031,
0.4710

 8.0164, 0.1952,
0.8048

 262.4967, 0.3045,
0.4611

 4.1054, 0.1280,
0.8720

314.8491, 0.3056,

 1.7327, 0.0000,

0.4524

1.0000

373.7370, 0.3066,
0.4448

■ 0.4447, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.0983, 0.2872,
0.5538

■ 64.0983, 0.2872,
0.5538

■ 64.0933, 0.2873,
0.5541

■ 64.5718, 0.2838,
0.5342

■ 65.3516, 0.2818,
0.5115

■ 66.5182, 0.2815,
0.4865

■ 68.1202, 0.2830,
0.4605

■ 70.1987, 0.2860,
0.4346

■ 72.7897, 0.2902,
0.4096

■ 75.9259, 0.2952,
0.3863

■ 79.6370, 0.3009,
0.3650

■ 83.9506, 0.3068,
0.3458

Harmonies

Analogous

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



64.0983, 0.3956, 0.5462



64.0983, 0.2872, 0.5538



64.0983, 0.1906, 0.4394

Triad

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



64.0983, 0.2872, 0.5538



64.0983, 0.1406, 0.1635



64.0983, 0.5285, 0.3095

Complementary

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



64.0983, 0.2872, 0.5538



21.4769, 0.4293, 0.2140

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.



64.0983, 0.4264, 0.2410



64.0983, 0.2872, 0.5538



64.0983, 0.1970, 0.1615

Square

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



64.0983, 0.2872, 0.5538



64.0983, 0.1203, 0.2014



64.0983, 0.2966, 0.1885



64.0983, 0.5476, 0.3853

Rectangle

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



64.0983, 0.2872, 0.5538



64.0983, 0.1477, 0.3371



64.0983, 0.2966, 0.1885



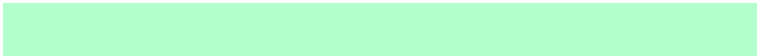
64.0983, 0.5021, 0.2856

Sweetspot

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



64.1009, 0.2872, 0.5538



85.4042, 0.2951, 0.3869



71.1327, 0.3609, 0.5515



17.9455, 0.2929, 0.3966



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.



64.1009, 0.2872, 0.5538



72.1762, 0.2874, 0.5546



67.7590, 0.2399, 0.3834



17.7433, 0.3070, 0.3451



34.4543, 0.2864, 0.5512



2.8841, 0.2791, 0.5247

Inverse Universe

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



21.4769, 0.4293, 0.2140



24.1614, 0.4300, 0.2142



19.0453, 0.6184, 0.3182



15.9366, 0.3189, 0.3134



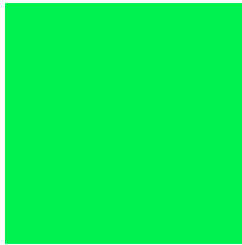
11.5557, 0.4273, 0.2128



0.9797, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 64.0983, 0.2872, 0.5538 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 64.0983, 0.2872, 0.5538 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 64.0983, 0.2872, 0.5538

Background



This preview shows how black text looks on a background with the Yxy color 64.0983, 0.2872, 0.5538.

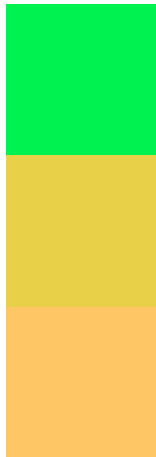


This preview shows how white text looks on a background with the Yxy color 64.0983, 0.2872, 0.5538.

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

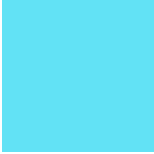
64.0983, 0.2872, 0.5538

Protanopia

62.7354, 0.4223, 0.4648

Deuteranopia

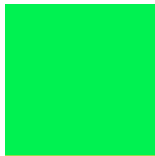
62.6075, 0.4321, 0.4238



Tritanopia

63.5820, 0.2338, 0.3051

Trichromacy



Original Color

64.0983, 0.2872, 0.5538



Protanomaly

57.9903, 0.3462, 0.5138



Deuteranomaly

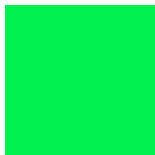
56.5827, 0.3504, 0.4840



Tritanomaly

62.2728, 0.2514, 0.3947

Monochromacy



Original Color

64.0983, 0.2872, 0.5538



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

38.2741, 0.2866, 0.4263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0983, 0.2872, 0.5538 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(0, 242, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 81)  
}
```

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(0, 242, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 81) }
```

Border

The CSS property to change the border of an element to Yxy 64.0983, 0.2872, 0.5538 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(0, 242, 81) }
```

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

```
.border{ border-color:rgb(0, 242, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 242, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 64.0983, 0.2872, 0.5538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 81) }
```

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

```
.background{ background-color: rgb(0, 242,  
81) }
```

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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