

Converting Colors

Yxy(63.4513, 0.2948, 0.5813)

Have a look what the booklet for
Yxy(63.4513, 0.2948, 0.5813)
contains.

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Color

Yxy(63.7346, 0.2948, 0.5811)

Conversions

Conversions Part 1

Format	Color
Hex	01F232
RGB	1, 242, 50
RGB Percent	0%, 95%, 20%
CMY	0.9974, 0.0510, 0.8040
CMYK	1.00, 0.00, 0.79, 0.05
HSL	132°, 99%, 48%
HSV	132°, 100%, 95%
XYZ	32.3334, 63.7346, 13.6112
YIQ	148.0530, -82.0040, -110.8040

Conversions

Conversions Part 2

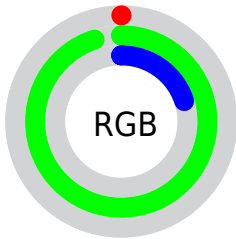
Format	Color
RYB	1, 201, 242
Decimal	127538
CIELab	83.83, -81.25, 72.11
CIELCh	84, 108.638, 138.409
Yxy	63.7346, 0.2948, 0.5811
Android (android.graphics.Color)	4278317618 (0xFF01F232)
YUV	148.0530, -48.3401, -128.9655
Hunter-Lab	79.8340, -67.4154, 45.7752

Details

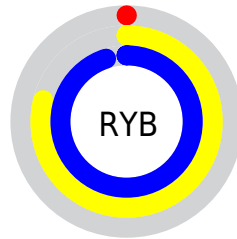
The Yxy color **63.7346, 0.2948, 0.5811** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **22.7282, 0.3814, 0.1876**, and the grayscale version is **29.8234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3125, 0.3059, 0.5109**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.7283, 0.2949, 0.5815**, and if you desaturate by 10%, it is **64.1404, 0.2923, 0.5643**.

Distribution



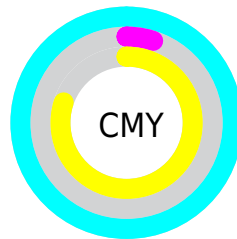
- Red (0%)
- Green (95%)
- Blue (20%)



- Red (0%)
- Yellow (79%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (5%)



- Cyan (100%)
- Magenta (5%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7346, 0.2948, 0.5811 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 63.7346, 0.2948, 0.5811 by changing the saturation by 10% instead.


 63.7346, 0.2948,
0.5811


 63.7346, 0.2948,
0.5811


438.2306, 0.3142,
0.4524


 46.4358, 0.2868,
0.6116


 110.2286, 0.3043,
0.5350

 32.5898, 0.2749,
0.6489


 140.1926, 0.3072,
0.5174

 21.8124, 0.2568,
0.6944


 175.1471, 0.3093,
0.5024

 13.7191, 0.2308,
0.7559

 215.4764, 0.3108,
0.4895

 7.9256, 0.1859,
0.8141

 261.5650, 0.3120,
0.4784

 4.0474, 0.1146,
0.8854

313.7974, 0.3129,

 1.7001, 0.0000,

0.4686

1.0000

372.5577, 0.3136,
0.4600

■ 0.4237, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7346, 0.2948,
0.5811

■ 63.7346, 0.2948,
0.5811

■ 63.7283, 0.2949,
0.5815


■ 64.1404, 0.2923,
0.5643


■ 64.8702, 0.2908,
0.5419

■ 66.0071, 0.2905,
0.5152


■ 67.6023, 0.2915,
0.4858

 69.6995, 0.2937,
0.4555

 72.3370, 0.2968,
0.4258

 75.5494, 0.3005,
0.3977

 79.3684, 0.3045,
0.3720

 83.8233, 0.3087,
0.3489

Harmonies

Analogous

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



63.7346, 0.4090, 0.5522



63.7346, 0.2948, 0.5811



63.7346, 0.1903, 0.4694

Triad

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



63.7346, 0.2948, 0.5811



63.7346, 0.1265, 0.1556



63.7346, 0.5373, 0.2968

Complementary

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



63.7346, 0.2948, 0.5811



22.7282, 0.3814, 0.1876

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.



63.7346, 0.4190, 0.2272



63.7346, 0.2948, 0.5811



63.7346, 0.1800, 0.1504

Square

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



63.7346, 0.2948, 0.5811



63.7346, 0.1092, 0.1991



63.7346, 0.2798, 0.1752



63.7346, 0.5660, 0.3741

Rectangle

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



63.7346, 0.2948, 0.5811



63.7346, 0.1423, 0.3546



63.7346, 0.2798, 0.1752



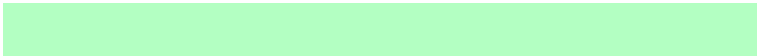
63.7346, 0.5056, 0.2725

Sweetspot

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



63.7372, 0.2948, 0.5811



84.9450, 0.3003, 0.3987



74.9383, 0.3838, 0.5333



17.8391, 0.2987, 0.4103



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.



63.7372, 0.2948, 0.5811



71.7688, 0.2950, 0.5819



66.3943, 0.2532, 0.4312



17.7092, 0.3088, 0.3483



34.2518, 0.2942, 0.5792



2.8633, 0.2878, 0.5559

Inverse Universe

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



22.7282, 0.3814, 0.1876



25.5673, 0.3818, 0.1877



19.3734, 0.5796, 0.2968



15.9728, 0.3169, 0.3104



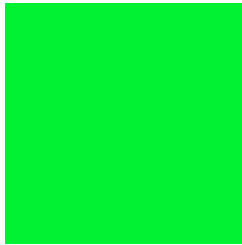
12.2192, 0.3804, 0.1869



1.0303, 0.3711, 0.1818

Previews

White Background



This preview shows how the Yxy color 63.7346, 0.2948, 0.5811 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 63.7346, 0.2948, 0.5811 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 63.7346, 0.2948, 0.5811

Background



This preview shows how black text looks on a background with the Yxy color 63.7346, 0.2948, 0.5811.

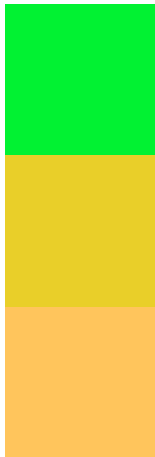


This preview shows how white text looks on a background with the Yxy color 63.7346, 0.2948, 0.5811.

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

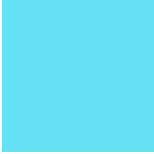
63.7410, 0.2948, 0.5811

Protanopia

62.1094, 0.4347, 0.4794

Deuteranopia

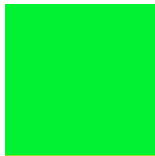
61.9652, 0.4389, 0.4307



Tritanopia

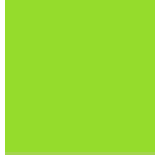
63.0914, 0.2346, 0.3051

Trichromacy



Original Color

63.7410, 0.2948, 0.5811



Protanomaly

57.7578, 0.3569, 0.5363



Deuteranomaly

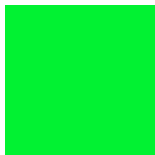
55.9109, 0.3598, 0.4999



Tritanomaly

61.2589, 0.2569, 0.4116

Monochromacy



Original Color

63.7410, 0.2948, 0.5811



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

37.0054, 0.2943, 0.4487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7346, 0.2948, 0.5811 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(1, 242, 50)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 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(1, 242, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 50) }
```

Border

The CSS property to change the border of an element to Yxy 63.7346, 0.2948, 0.5811 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(1, 242, 50) }
```

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

```
.border{ border-color:rgb(1, 242, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 242, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 50);  
box-shadow:4px 4px 4px 4px rgb(1, 242, 50)  
}
```


Background

The CSS property to change the background color of an element to Yxy 63.7346, 0.2948, 0.5811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 242, 50) }
```

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

```
.background{ background-color: rgb(1, 242,  
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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