

Converting Colors

$Yxy(63.6929, 0.2991, 0.5966)$

Have a look what the booklet for
Yxy(63.6929, 0.2991, 0.5966)
contains.

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Color

Yxy(63.5512, 0.2991, 0.5965)

Conversions

Conversions Part 1

Format	Color
Hex	01F211
RGB	1, 242, 17
RGB Percent	0%, 95%, 7%
CMY	0.9963, 0.0510, 0.9327
CMYK	1.00, 0.00, 0.93, 0.05
HSL	124°, 99%, 48%
HSV	124°, 100%, 95%
XYZ	31.8662, 63.5512, 11.1228
YIQ	144.2910, -71.4110, -121.0670

Conversions

Conversions Part 2

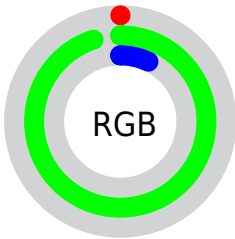
Format	Color
RYB	1, 227, 242
Decimal	127505
CIELab	83.73, -82.53, 78.46
CIElCh	84, 113.870, 136.448
Yxy	63.5512, 0.2991, 0.5965
Android (android.graphics.Color)	4278317585 (0xFF01F211)
YUV	144.2910, -62.7545, -125.6662
Hunter-Lab	79.7190, -68.1563, 47.5309

Details

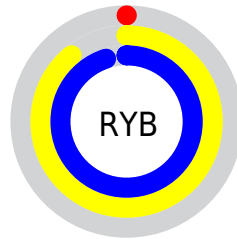
The Yxy color **63.5512, 0.2991, 0.5965** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **24.3784, 0.3388, 0.1641**, and the grayscale version is **28.2951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0412, 0.3126, 0.5284**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.5450, 0.2991, 0.5968**, and if you desaturate by 10%, it is **63.8667, 0.2985, 0.5859**.

Distribution



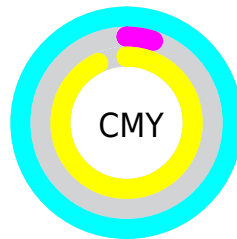
- Red (0%)
- Green (95%)
- Blue (7%)



- Red (0%)
- Yellow (89%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (93%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5512, 0.2991, 0.5965 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 63.5512, 0.2991, 0.5965 by changing the saturation by 10% instead.


 63.5512, 0.2991,
0.5965

 63.5512, 0.2991,
0.5965

437.5671, 0.3185,
0.4610


 46.2873, 0.2904,
0.6277


 109.9643, 0.3091,
0.5486

 32.4726, 0.2774,
0.6653


 139.8823, 0.3120,
0.5300


 21.7227, 0.2576,
0.7100


 174.7871, 0.3141,
0.5142

 13.6533, 0.2297,
0.7703

 215.0632, 0.3156,
0.5006

 7.8799, 0.1811,
0.8189

 261.0948, 0.3167,
0.4887

 4.0182, 0.1072,
0.8928

 313.2664, 0.3175,

 1.6838, 0.0000,

0.4783

1.0000

371.9624, 0.3181,
0.4692

■ 0.4131, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.5512, 0.2991,
0.5965

■ 63.5512, 0.2991,
0.5965

■ 63.5450, 0.2991,
0.5968

■ 63.8667, 0.2985,
0.5859

■ 64.5195, 0.2983,
0.5674

■ 65.5986, 0.2987,
0.5417

■ 67.1605, 0.2999,
0.5106

■ 69.2529, 0.3016,
0.4768

■ 71.9180, 0.3037,
0.4425

■ 75.1936, 0.3060,
0.4097

■ 79.1144, 0.3083,
0.3793

■ 83.7122, 0.3106,
0.3521

Harmonies

Analogous

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



63.5512, 0.4167, 0.5540



63.5512, 0.2991, 0.5965



63.5512, 0.1902, 0.4889

Triad

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



63.5512, 0.2991, 0.5965



63.5512, 0.1185, 0.1510



63.5512, 0.5420, 0.2891

Complementary

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



63.5512, 0.2991, 0.5965



24.3784, 0.3388, 0.1641

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.



63.5512, 0.4137, 0.2189



63.5512, 0.2991, 0.5965



63.5512, 0.1701, 0.1441

Square

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



63.5512, 0.2991, 0.5965



63.5512, 0.1029, 0.1981



63.5512, 0.2695, 0.1674



63.5512, 0.5768, 0.3670

Rectangle

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



63.5512, 0.2991, 0.5965



63.5512, 0.1392, 0.3662



63.5512, 0.2695, 0.1674



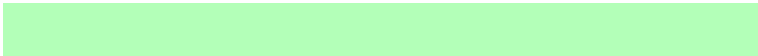
63.5512, 0.5069, 0.2646

Sweetspot

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



63.5538, 0.2991, 0.5965



84.4900, 0.3059, 0.4112



79.6669, 0.4075, 0.5145



17.7351, 0.3049, 0.4249



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.



63.5538, 0.2991, 0.5965



71.5609, 0.2991, 0.5969



65.3347, 0.2666, 0.4796



17.6736, 0.3106, 0.3517



34.1424, 0.2988, 0.5957



2.8463, 0.2958, 0.5847

Inverse Universe

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



24.3784, 0.3388, 0.1641



27.4245, 0.3389, 0.1641



19.9268, 0.5270, 0.2679



16.0120, 0.3148, 0.3073



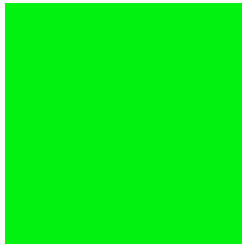
13.0910, 0.3385, 0.1639



1.0945, 0.3360, 0.1624

Previews

White Background



This preview shows how the Yxy color 63.5512, 0.2991, 0.5965 looks on a white background.

Color Contrast Check

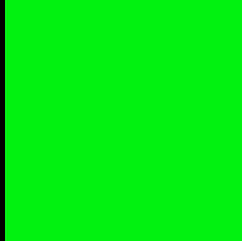
Large Text (above 18pt) WCAG AA × Fail

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 63.5512, 0.2991, 0.5965 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

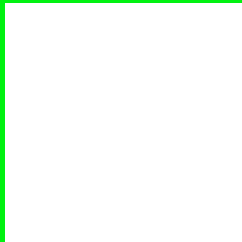
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.5512, 0.2991, 0.5965

Background



This preview shows how black text looks on a background with the Yxy color 63.5512, 0.2991, 0.5965.



This preview shows how white text looks on a background with the Yxy color 63.5512, 0.2991, 0.5965.

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

63.5512, 0.2991, 0.5965

Protanopia

61.9493, 0.4407, 0.4883

Deuteranopia

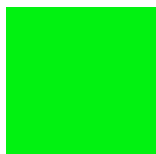
61.8644, 0.4423, 0.4351



Tritanopia

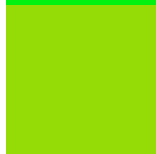
63.0882, 0.2353, 0.3063

Trichromacy



Original Color

63.5512, 0.2991, 0.5965



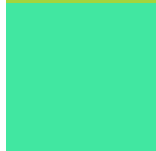
Protanomaly

57.5891, 0.3625, 0.5490



Deuteranomaly

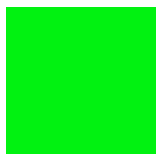
55.7120, 0.3662, 0.5133



Tritanomaly

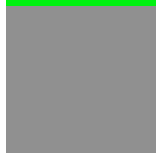
60.8489, 0.2627, 0.4299

Monochromacy



Original Color

63.5512, 0.2991, 0.5965



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

35.7997, 0.3019, 0.4711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5512, 0.2991, 0.5965 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, 17)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 17)  
}
```

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, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 17) }
```

Border

The CSS property to change the border of an element to Yxy 63.5512, 0.2991, 0.5965 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, 17) }
```

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

```
.border{ border-color:rgb(1, 242, 17) }
```

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, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 17);  
box-shadow:4px 4px 4px 4px rgb(1, 242, 17)  
}
```


Background

The CSS property to change the background color of an element to Yxy 63.5512, 0.2991, 0.5965 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, 17) }
```

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

```
.background{ background-color: rgb(1, 242,  
17) }
```

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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