

Converting Colors

$Yxy(63.0014, 0.2821, 0.5356)$

Have a look what the booklet for
Yxy(63.0014, 0.2821, 0.5356)
contains.

Yxy(63.1647, 0.2821, 0.5356)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.1647, 0.2821, 0.5356)

Conversions

Conversions Part 1

Format	Color
Hex	00F060
RGB	0, 240, 96
RGB Percent	0%, 94%, 38%
CMY	1.0000, 0.0588, 0.6236
CMYK	1.00, 0.00, 0.60, 0.06
HSL	144°, 100%, 47%
HSV	144°, 100%, 94%
XYZ	33.2688, 63.1647, 21.4991
YIQ	151.8240, -96.8160, -95.6640

Conversions

Conversions Part 2

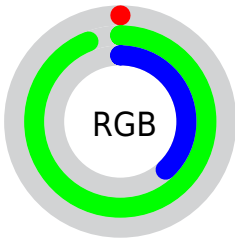
Format	Color
RYB	0, 171, 240
Decimal	61536
CIELab	83.53, -76.63, 55.14
CIELCh	84, 94.407, 144.263
Yxy	63.1647, 0.2821, 0.5356
Android (android.graphics.Color)	4278251616 (0xFF00F060)
YUV	151.8240, -27.5212, -133.1496
Hunter-Lab	79.4762, -64.3632, 39.5948

Details

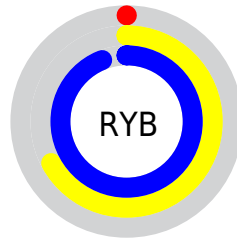
The Yxy color **63.1647, 0.2821, 0.5356** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **20.5409, 0.4567, 0.2290**, and the grayscale version is **31.4724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2651, 0.2882, 0.4625**, and **33.6091, 0.2934, 0.5764** is the 20% darker color. If you saturate the color by 10%, you get **63.1684, 0.2821, 0.5356**, and if you desaturate by 10%, it is **63.6526, 0.2786, 0.5160**.

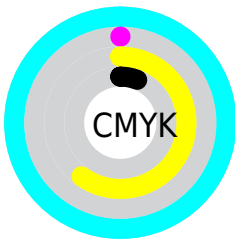
Distribution



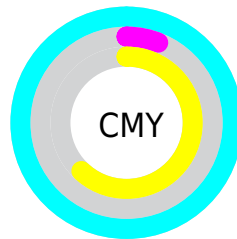
- Red (0%)
- Green (94%)
- Blue (38%)



- Red (0%)
- Yellow (67%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1647, 0.2821, 0.5356 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 63.1647, 0.2821, 0.5356 by changing the saturation by 10% instead.

 63.1647, 0.2821,
0.5356

 63.1647, 0.2821,
0.5356


436.1670, 0.3032,
0.4287


 45.9745, 0.2751,
0.5623


 109.4071, 0.2911,
0.4965


 32.2257, 0.2652,
0.5961


 139.2280, 0.2941,
0.4818


 21.5339, 0.2507,
0.6396


 174.0280, 0.2965,
0.4695

 13.5148, 0.2284,
0.6965

 214.1914, 0.2984,
0.4589

 7.7840, 0.1965,
0.7847

 260.1026, 0.2999,
0.4498

 3.9571, 0.1326,
0.8674

312.1460, 0.3012,

 1.6496, 0.0000,

0.4418

1.0000

370.7060, 0.3023,
0.4349

■ 0.3907, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1647, 0.2821,
0.5356

■ 63.1647, 0.2821,
0.5356


■ 63.1684, 0.2821,
0.5356

■ 63.6526, 0.2786,
0.5160


■ 64.4279, 0.2767,
0.4942


■ 65.5717, 0.2766,
0.4710

■ 67.1307, 0.2784,
0.4473

 69.1445, 0.2819,
0.4240

 71.6477, 0.2867,
0.4016

 74.6716, 0.2925,
0.3807

 78.2447, 0.2989,
0.3616

 82.3934, 0.3058,
0.3444

Harmonies

Analogous

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



63.1647, 0.3866, 0.5405



63.1647, 0.2821, 0.5356



63.1647, 0.1909, 0.4216

Triad

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



63.1647, 0.2821, 0.5356



63.1647, 0.1501, 0.1688



63.1647, 0.5223, 0.3175

Complementary

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



63.1647, 0.2821, 0.5356



20.5409, 0.4567, 0.2290

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.



63.1647, 0.4304, 0.2500



63.1647, 0.2821, 0.5356



63.1647, 0.2082, 0.1690

Square

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



63.1647, 0.2821, 0.5356



63.1647, 0.1277, 0.2030



63.1647, 0.3071, 0.1973



63.1647, 0.5356, 0.3921

Rectangle

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



63.1647, 0.2821, 0.5356



63.1647, 0.1514, 0.3271



63.1647, 0.3071, 0.1973



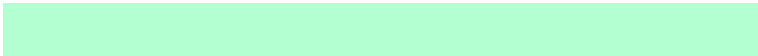
63.1647, 0.4991, 0.2940

Sweetspot

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



63.1684, 0.2821, 0.5356



85.6523, 0.2924, 0.3809



68.6206, 0.3528, 0.5581



18.0034, 0.2899, 0.3896



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.



63.1684, 0.2821, 0.5356



72.4788, 0.2823, 0.5362



67.0780, 0.2351, 0.3664



17.7611, 0.3061, 0.3435



34.6017, 0.2813, 0.5326



2.8977, 0.2740, 0.5063

Inverse Universe

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



20.5409, 0.4567, 0.2290



23.5607, 0.4572, 0.2293



18.6103, 0.6282, 0.3234



15.9181, 0.3199, 0.3149



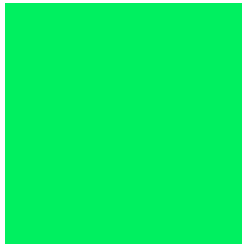
11.2707, 0.4539, 0.2274



0.9572, 0.4316, 0.2151

Previews

White Background



This preview shows how the Yxy color 63.1647, 0.2821, 0.5356 looks on a white background.

Color Contrast Check

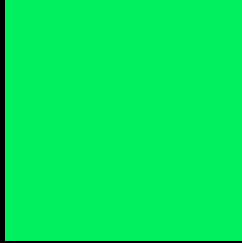
Large Text (above 18pt) WCAG AA × Fail

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 63.1647, 0.2821, 0.5356 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 63.1647, 0.2821, 0.5356

Background



This preview shows how black text looks on a background with the Yxy color 63.1647, 0.2821, 0.5356.

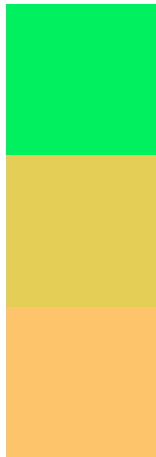


This preview shows how white text looks on a background with the Yxy color 63.1647, 0.2821, 0.5356.

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

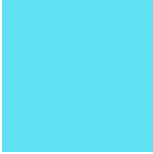
63.1647, 0.2821, 0.5356

Protanopia

61.4725, 0.4145, 0.4545

Deuteranopia

61.4452, 0.4279, 0.4176



Tritanopia

62.7544, 0.2333, 0.3062

Trichromacy



Original Color

63.1647, 0.2821, 0.5356



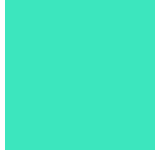
Protanomaly

56.9920, 0.3389, 0.4982



Deuteranomaly

55.6635, 0.3450, 0.4713



Tritanomaly

61.2720, 0.2478, 0.3849

Monochromacy



Original Color

63.1647, 0.2821, 0.5356



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

38.4883, 0.2833, 0.4156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1647, 0.2821, 0.5356 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, 240, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 96)  
}
```

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, 240, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 96) }
```

Border

The CSS property to change the border of an element to Yxy 63.1647, 0.2821, 0.5356 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, 240, 96) }
```

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

```
.border{ border-color:rgb(0, 240, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 240, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 63.1647, 0.2821, 0.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 96) }
```

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

```
.background{ background-color: rgb(0, 240,  
96) }
```

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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