

Converting Colors

$Y_{xy}(63.5301, 0.3063, 0.5950)$

Have a look what the booklet for
Yxy(63.5301, 0.3063, 0.5950)
contains.

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Color

Yxy(63.5636, 0.3063, 0.5950)

Conversions

Conversions Part 1

Format	Color
Hex	31F100
RGB	49, 241, 0
RGB Percent	19%, 95%, 0%
CMY	0.8078, 0.0549, 0.9999
CMYK	0.80, 0.00, 1.00, 0.05
HSL	108°, 100%, 47%
HSV	108°, 100%, 95%
XYZ	32.7219, 63.5636, 10.5441
YIQ	156.1180, -37.0710, -115.6550

Conversions

Conversions Part 2

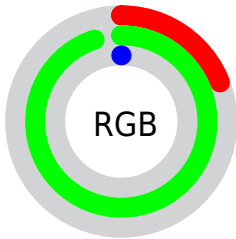
Format	Color
RYB	0, 241, 192
Decimal	3272960
CIELab	83.74, -79.47, 80.12
CIELCh	84, 112.850, 134.768
Yxy	63.5636, 0.3063, 0.5950
Android (android.graphics.Color)	4281463040 (0xFF31F100)
YUV	156.1180, -76.9662, -93.9425
Hunter-Lab	79.7268, -66.2609, 47.9675

Details

The Yxy color **63.5636, 0.3063, 0.5950** 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 **17.5618, 0.2691, 0.1256**, and the grayscale version is **33.6668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9871, 0.3212, 0.5287**, and **33.8670, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.5657, 0.3063, 0.5950**, and if you desaturate by 10%, it is **64.2159, 0.3101, 0.5853**.

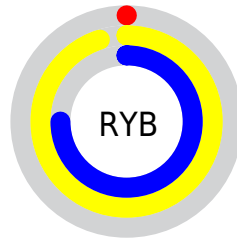
Distribution



Red (19%)

Green (95%)

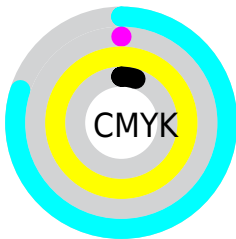
Blue (0%)



Red (0%)

Yellow (95%)

Blue (75%)

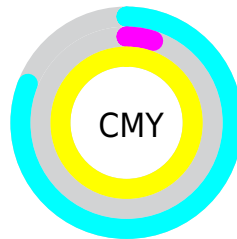


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (81%)


Magenta (5%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5636, 0.3063, 0.5950 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 63.5636, 0.3063, 0.5950 by changing the saturation by 10% instead.


 63.5636, 0.3063,
0.5950


 63.5636, 0.3063,
0.5950


437.6120, 0.3226,
0.4612


 46.2973, 0.2982,
0.6255

 109.9822, 0.3154,
0.5479


 32.4805, 0.2858,
0.6618


 139.9033, 0.3179,
0.5297

 21.7288, 0.2667,
0.7049


 174.8115, 0.3196,
0.5140

 13.6577, 0.2390,
0.7610

 215.0911, 0.3207,
0.5005

 7.8830, 0.1915,
0.8085

 261.1266, 0.3215,
0.4887

 4.0202, 0.1218,
0.8782

 313.3023, 0.3221,

 1.6849, 0.0000,

0.4784

1.0000

372.0026, 0.3224,
0.4693

■ 0.4138, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.5636, 0.3063,
0.5950

■ 63.5636, 0.3063,
0.5950

■ 63.5657, 0.3063,
0.5950

■ 64.2159, 0.3101,
0.5853

■ 65.1743, 0.3137,
0.5685

■ 66.4869, 0.3165,
0.5444

■ 68.1868, 0.3183,
0.5148

■ 70.3029, 0.3191,
0.4818

■ 72.8614, 0.3189,
0.4478

■ 75.8860, 0.3180,
0.4145

■ 79.3989, 0.3165,
0.3832

■ 83.4206, 0.3147,
0.3546

Harmonies

Analogous

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



63.5636, 0.4230, 0.5479



63.5636, 0.3063, 0.5950



63.5636, 0.1966, 0.4968

Triad

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



63.5636, 0.3063, 0.5950



63.5636, 0.1178, 0.1536



63.5636, 0.5349, 0.2855

Complementary

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



63.5636, 0.3063, 0.5950



17.5618, 0.2691, 0.1256

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.



63.5636, 0.4045, 0.2162



63.5636, 0.3063, 0.5950



63.5636, 0.1671, 0.1447

Square

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



63.5636, 0.3063, 0.5950



63.5636, 0.1041, 0.2034



63.5636, 0.2630, 0.1664



63.5636, 0.5758, 0.3628

Rectangle

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



63.5636, 0.3063, 0.5950



63.5636, 0.1439, 0.3760



63.5636, 0.2630, 0.1664



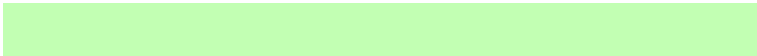
63.5636, 0.4985, 0.2612

Sweetspot

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



63.5663, 0.3063, 0.5950



86.2301, 0.3180, 0.4148



55.0074, 0.4645, 0.4694



18.1319, 0.3185, 0.4287



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.



63.5663, 0.3063, 0.5950



72.2454, 0.3062, 0.5951



63.3344, 0.2906, 0.5661



17.8110, 0.3146, 0.3532



34.5142, 0.3071, 0.5944



2.9120, 0.3154, 0.5878

Inverse Universe

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



17.5618, 0.2691, 0.1256



19.9410, 0.2689, 0.1255



21.7086, 0.4101, 0.2033



15.8598, 0.3105, 0.3055



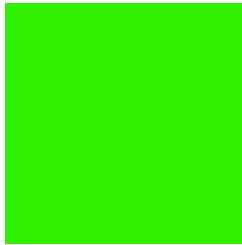
9.5812, 0.2700, 0.1261



0.8376, 0.2770, 0.1300

Previews

White Background



This preview shows how the Yxy color 63.5636, 0.3063, 0.5950 looks on a white background.

Color Contrast Check

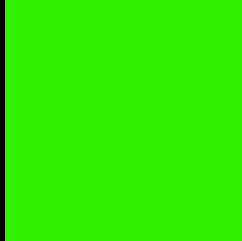
Large Text (above 18pt) WCAG AA × Fail

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 63.5636, 0.3063, 0.5950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

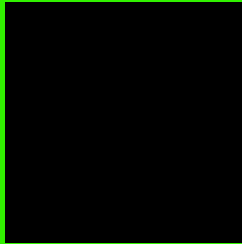
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.5636, 0.3063, 0.5950

Background



This preview shows how black text looks on a background with the Yxy color 63.5636, 0.3063, 0.5950.



This preview shows how white text looks on a background with the Yxy color 63.5636, 0.3063, 0.5950.

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

63.5636, 0.3063, 0.5950

Protanopia

61.9493, 0.4407, 0.4883

Deuteranopia

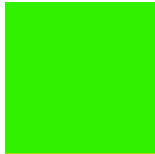
61.8644, 0.4423, 0.4351



Tritanopia

63.0371, 0.2387, 0.3064

Trichromacy



Original Color

63.5636, 0.3063, 0.5950



Protanomaly

58.7700, 0.3766, 0.5391



Deuteranomaly

57.5676, 0.3822, 0.5080



Tritanomaly

61.0014, 0.2735, 0.4373

Monochromacy



Original Color

63.5636, 0.3063, 0.5950



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

40.2234, 0.3192, 0.4693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5636, 0.3063, 0.5950 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(49, 241, 0)` looks like.

```
.text, #text, p{  
    color:rgb(49, 241, 0)  
}
```

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(49, 241, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 241, 0) }
```

Border

The CSS property to change the border of an element to Yxy 63.5636, 0.3063, 0.5950 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(49, 241, 0) }
```

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

```
.border{ border-color:rgb(49, 241, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 241, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 241, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 241, 0);  
box-shadow:4px 4px 4px 4px rgb(49, 241, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 63.5636, 0.3063, 0.5950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 241, 0) }
```

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

```
.background{ background-color: rgb(49, 241,  
0) }
```

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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