

Converting Colors

$Yxy(64.0658, 0.3028, 0.5760)$

Have a look what the booklet for
Yxy(64.0658, 0.3028, 0.5760)
contains.

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Color

Yxy(63.9731, 0.3028, 0.5758)

Conversions

Conversions Part 1

Format	Color
Hex	38F131
RGB	56, 241, 49
RGB Percent	22%, 95%, 19%
CMY	0.7804, 0.0549, 0.8076
CMYK	0.77, 0.00, 0.80, 0.05
HSL	118°, 87%, 57%
HSV	118°, 80%, 95%
XYZ	33.6420, 63.9731, 13.4879
YIQ	163.7970, -48.6280, -98.9320

Conversions

Conversions Part 2

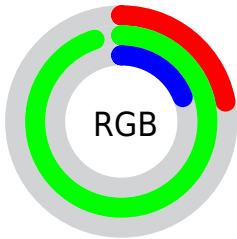
Format	Color
RYB	49, 241, 234
Decimal	3731761
CIELab	83.95, -77.14, 72.63
CIELCh	84, 105.953, 136.724
Yxy	63.9731, 0.3028, 0.5758
Android (android.graphics.Color)	4281921841 (0xFF38F131)
YUV	163.7970, -56.5949, -94.5380
Hunter-Lab	79.9832, -64.8911, 45.9899

Details

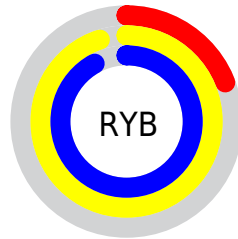
The Yxy color **63.9731, 0.3028, 0.5758** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **26.0581, 0.3133, 0.1603**, and the grayscale version is **37.3204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6542, 0.3148, 0.5061**, and **33.8670, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.3022, 0.3014, 0.5917**, and if you desaturate by 10%, it is **65.0682, 0.3044, 0.5515**.

Distribution



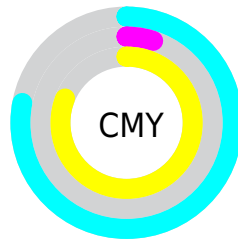
- Red (22%)
- Green (95%)
- Blue (19%)



- Red (19%)
- Yellow (95%)
- Blue (92%)



- Cyan (77%)
- Magenta (0%)
- Yellow (80%)
- Black (5%)





- Cyan (78%)
- Magenta (5%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9731, 0.3028, 0.5758 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 63.9731, 0.3028, 0.5758 by changing the saturation by 10% instead.


 63.9731, 0.3028,
0.5758

 63.9731, 0.3028,
0.5758


439.0925, 0.3182,
0.4505

 46.6289, 0.2957,
0.6053


 110.5722, 0.3109,
0.5311


 32.7424, 0.2849,
0.6411


 140.5959, 0.3132,
0.5140


 21.9292, 0.2682,
0.6848


 175.6148, 0.3149,
0.4994

 13.8049, 0.2441,
0.7440

 216.0134, 0.3160,
0.4869

 7.9851, 0.2008,
0.7992

 262.1761, 0.3169,
0.4760

 4.0854, 0.1349,
0.8651

314.4873, 0.3175,

 1.7214, 0.0000,

0.4664

1.0000

373.3312, 0.3179,
0.4580

■ 0.4375, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9731, 0.3028,
0.5758

■ 63.9731, 0.3028,
0.5758

■ 63.3022, 0.3014,
0.5917

■ 65.0682, 0.3044,
0.5515


■ 62.9759, 0.3006,
0.5994


■ 66.6328, 0.3060,
0.5207


■ 62.9686, 0.3006,
0.5996


■ 68.7147, 0.3076,
0.4860

■ 71.3541, 0.3090,
0.4502

 74.5870, 0.3103,
0.4153

 78.4465, 0.3113,
0.3830

 82.9632, 0.3121,
0.3538

 88.1657, 0.3127,
0.3281

 91.3924, 0.3133,
0.3156

Harmonies

Analogous

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



63.9731, 0.4148, 0.5440



63.9731, 0.3028, 0.5758



63.9731, 0.1984, 0.4744

Triad

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



63.9731, 0.3028, 0.5758



63.9731, 0.1278, 0.1601



63.9731, 0.5273, 0.2941

Complementary

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



63.9731, 0.3028, 0.5758



26.0581, 0.3133, 0.1603

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.



63.9731, 0.4087, 0.2259



63.9731, 0.3028, 0.5758



63.9731, 0.1786, 0.1530

Square

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



63.9731, 0.3028, 0.5758



63.9731, 0.1126, 0.2062



63.9731, 0.2740, 0.1759



63.9731, 0.5617, 0.3703

Rectangle

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



63.9731, 0.3028, 0.5758



63.9731, 0.1491, 0.3634



63.9731, 0.2740, 0.1759



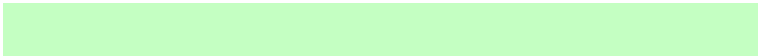
63.9731, 0.4947, 0.2702

Sweetspot

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



63.9758, 0.3028, 0.5758



87.1433, 0.3109, 0.3970



76.3034, 0.4200, 0.4891



18.3235, 0.3105, 0.4087



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.



63.9758, 0.3028, 0.5758



71.6812, 0.3007, 0.5974



65.3290, 0.2726, 0.4797



17.6836, 0.3121, 0.3534



34.1578, 0.3008, 0.5994



2.8511, 0.3028, 0.5978

Inverse Universe

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



26.0581, 0.3133, 0.1603



27.0626, 0.3121, 0.1502



23.2585, 0.4345, 0.2336



16.0006, 0.3132, 0.3057



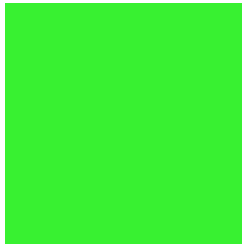
12.7872, 0.3119, 0.1492



1.0728, 0.3132, 0.1499

Previews

White Background



This preview shows how the Yxy color 63.9731, 0.3028, 0.5758 looks on a white background.

Color Contrast Check

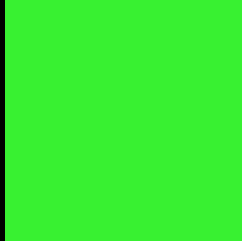
Large Text (above 18pt) WCAG AA × Fail

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 63.9731, 0.3028, 0.5758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

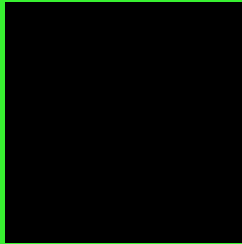
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.9731, 0.3028, 0.5758

Background



This preview shows how black text looks on a background with the Yxy color 63.9731, 0.3028, 0.5758.



This preview shows how white text looks on a background with the Yxy color 63.9731, 0.3028, 0.5758.

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

63.9731, 0.3028, 0.5758

Protanopia

62.5886, 0.4341, 0.4806

Deuteranopia

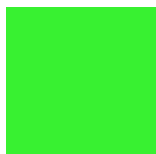
62.4385, 0.4376, 0.4309



Tritanopia

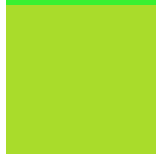
63.2271, 0.2391, 0.3053

Trichromacy



Original Color

63.9731, 0.3028, 0.5758



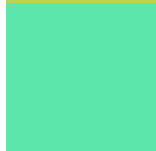
Protanomaly

59.7958, 0.3726, 0.5255



Deuteranomaly

58.6962, 0.3756, 0.4908



Tritanomaly

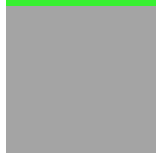
61.8475, 0.2662, 0.4100

Monochromacy



Original Color

63.9731, 0.3028, 0.5758



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.4644, 0.3099, 0.4370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9731, 0.3028, 0.5758 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(56, 241, 49)` looks like.

```
.text, #text, p{  
    color:rgb(56, 241, 49)  
}
```

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(56, 241, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 241, 49) }
```

Border

The CSS property to change the border of an element to Yxy 63.9731, 0.3028, 0.5758 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(56, 241, 49) }
```

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

```
.border{ border-color:rgb(56, 241, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 241, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 241, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 241, 49);  
box-shadow:4px 4px 4px 4px rgb(56, 241,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9731, 0.3028, 0.5758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 241, 49) }
```

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

```
.background{ background-color: rgb(56, 241,  
49) }
```

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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