

Converting Colors

$Yxy(63.3605, 0.3007, 0.5882)$

Have a look what the booklet for
Yxy(63.3605, 0.3007, 0.5882)
contains.

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Color

Yxy(63.3605, 0.3007, 0.5882)

Conversions

Conversions Part 1

Format	Color
Hex	22F121
RGB	34, 241, 33
RGB Percent	13%, 95%, 13%
CMY	0.8665, 0.0549, 0.8702
CMYK	0.86, 0.00, 0.86, 0.05
HSL	120°, 88%, 54%
HSV	120°, 86%, 95%
XYZ	32.3912, 63.3605, 11.9676
YIQ	155.3950, -56.6040, -108.5720

Conversions

Conversions Part 2

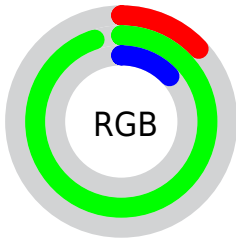
Format	Color
R _Y B	33, 241, 240
Decimal	2289953
CIE Lab	83.63, -80.20, 75.98
CIE LCh	84, 110.473, 136.549
Yxy	63.3605, 0.3007, 0.5882
Android (android.graphics.Color)	4280480033 (0xFF22F121)
YUV	155.3950, -60.3407, -106.4634
Hunter-Lab	79.5993, -66.6621, 46.8054

Details

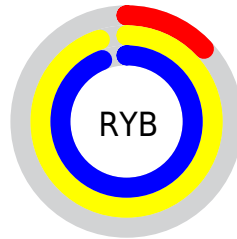
The Yxy color **63.3605, 0.3007, 0.5882** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **25.9815, 0.3197, 0.1586**, and the grayscale version is **33.2647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6705, 0.3135, 0.5194**, and **33.8670, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **62.9967, 0.3002, 0.5978**, and if you desaturate by 10%, it is **64.1098, 0.3016, 0.5697**.

Distribution



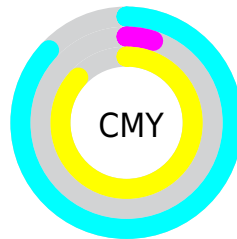
- Red (13%)
- Green (95%)
- Blue (13%)



- Red (13%)
- Yellow (95%)
- Blue (94%)



- Cyan (86%)
- Magenta (0%)
- Yellow (86%)
- Black (5%)





- Cyan (87%)
- Magenta (5%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3605, 0.3007, 0.5882 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 63.3605, 0.3007, 0.5882 by changing the saturation by 10% instead.


 63.3605, 0.3007,
0.5882


 63.3605, 0.3007,
0.5882


436.8766, 0.3184,
0.4567

 46.1329, 0.2927,
0.6188


 109.6894, 0.3099,
0.5415


 32.3507, 0.2805,
0.6558


 139.5596, 0.3126,
0.5235

 21.6295, 0.2619,
0.7003


 174.4127, 0.3145,
0.5081

 13.5849, 0.2364,
0.7636

 214.6332, 0.3158,
0.4949

 7.8326, 0.1884,
0.8116

 260.6054, 0.3168,
0.4834

 3.9880, 0.1171,
0.8829

 312.7138, 0.3175,

 1.6668, 0.0000,

0.4734

1.0000

371.3427, 0.3180,
0.4645

■ 0.4021, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.3605, 0.3007,
0.5882

■ 63.3605, 0.3007,
0.5882

■ 62.9967, 0.3002,
0.5978


■ 64.1098, 0.3016,
0.5697

■ 62.9192, 0.3001,
0.5999


■ 65.3052, 0.3029,
0.5430


■ 67.0049, 0.3045,
0.5104


■ 69.2562, 0.3061,
0.4748

 72.1011, 0.3078,
0.4388

 75.5774, 0.3094,
0.4044

 79.7200, 0.3108,
0.3729

 84.5611, 0.3120,
0.3448

 90.1308, 0.3131,
0.3202

Harmonies

Analogous

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



63.3605, 0.4161, 0.5501



63.3605, 0.3007, 0.5882



63.3605, 0.1935, 0.4830

Triad

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



63.3605, 0.3007, 0.5882



63.3605, 0.1222, 0.1547



63.3605, 0.5361, 0.2912

Complementary

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



63.3605, 0.3007, 0.5882



25.9815, 0.3197, 0.1586

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.



63.3605, 0.4117, 0.2217



63.3605, 0.3007, 0.5882



63.3605, 0.1735, 0.1476

Square

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



63.3605, 0.3007, 0.5882



63.3605, 0.1067, 0.2013



63.3605, 0.2713, 0.1708



63.3605, 0.5708, 0.3684

Rectangle

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



63.3605, 0.3007, 0.5882



63.3605, 0.1432, 0.3652



63.3605, 0.2713, 0.1708



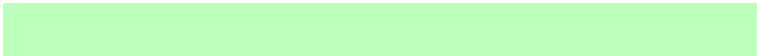
63.3605, 0.5020, 0.2668

Sweetspot

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



63.3631, 0.3007, 0.5882



85.9996, 0.3094, 0.4038



79.6917, 0.4188, 0.4981



18.0945, 0.3089, 0.4154



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.



63.3631, 0.3007, 0.5882



71.5274, 0.3001, 0.5999



64.9468, 0.2707, 0.4835



17.6598, 0.3116, 0.3534



34.1203, 0.3001, 0.5999



2.8397, 0.3004, 0.5997

Inverse Universe

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



25.9815, 0.3197, 0.1586



28.2635, 0.3198, 0.1535



21.7030, 0.4606, 0.2403



16.0276, 0.3137, 0.3057



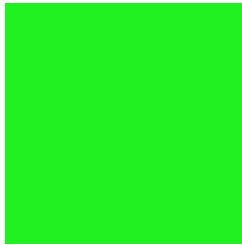
13.4837, 0.3198, 0.1535



1.1229, 0.3200, 0.1536

Previews

White Background



This preview shows how the Yxy color 63.3605, 0.3007, 0.5882 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 63.3605, 0.3007, 0.5882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

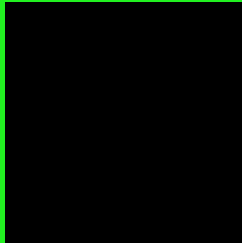
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.3605, 0.3007, 0.5882

Background



This preview shows how black text looks on a background with the Yxy color 63.3605, 0.3007, 0.5882.

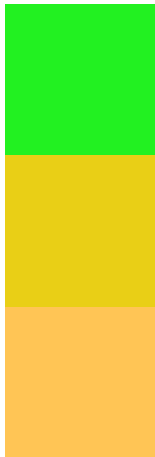


This preview shows how white text looks on a background with the Yxy color 63.3605, 0.3007, 0.5882.

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

63.3605, 0.3007, 0.5882

Protanopia

62.0072, 0.4385, 0.4850

Deuteranopia

61.8484, 0.4428, 0.4358



Tritanopia

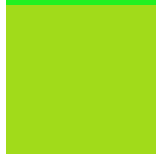
62.7254, 0.2369, 0.3063

Trichromacy



Original Color

63.3605, 0.3007, 0.5882



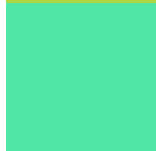
Protanomaly

58.3147, 0.3702, 0.5367



Deuteranomaly

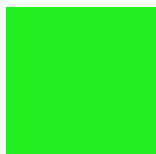
57.0958, 0.3741, 0.5031



Tritanomaly

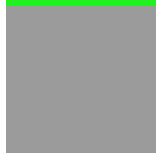
61.0091, 0.2644, 0.4201

Monochromacy



Original Color

63.3605, 0.3007, 0.5882



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

39.6450, 0.3070, 0.4510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3605, 0.3007, 0.5882 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(34, 241, 33)` looks like.

```
.text, #text, p{  
    color:rgb(34, 241, 33)  
}
```

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(34, 241, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 241, 33) }
```

Border

The CSS property to change the border of an element to Yxy 63.3605, 0.3007, 0.5882 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(34, 241, 33) }
```

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

```
.border{ border-color:rgb(34, 241, 33) }
```

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

Here you see how a box with a 4 pixel rgb(34, 241, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 241, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 241, 33);  
box-shadow:4px 4px 4px 4px rgb(34, 241,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3605, 0.3007, 0.5882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 241, 33) }
```

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

```
.background{ background-color: rgb(34, 241,  
33) }
```

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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