

Converting Colors

$Yxy(63.7201, 0.2984, 0.5944)$

Have a look what the booklet for
Yxy(63.7201, 0.2984, 0.5944)
contains.

Yxy(63.5702, 0.2985, 0.5945)	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(63.5702, 0.2985, 0.5945)

Conversions

Conversions Part 1

Format	Color
Hex	00F218
RGB	0, 242, 24
RGB Percent	0%, 95%, 9%
CMY	0.9986, 0.0510, 0.9066
CMYK	1.00, 0.00, 0.90, 0.05
HSL	126°, 100%, 48%
HSV	126°, 100%, 95%
XYZ	31.9188, 63.5702, 11.4416
YIQ	144.7900, -74.2540, -119.1020

Conversions

Conversions Part 2

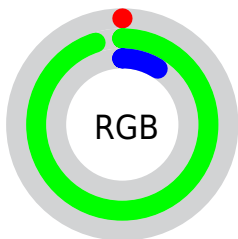
Format	Color
RYB	0, 220, 242
Decimal	61976
CIELab	83.74, -82.38, 77.59
CIELCh	84, 113.166, 136.715
Yxy	63.5702, 0.2985, 0.5945
Android (android.graphics.Color)	4278252056 (0xFF00F218)
YUV	144.7900, -59.5495, -126.9808
Hunter-Lab	79.7309, -68.0700, 47.3034

Details

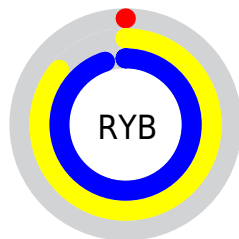
The Yxy color **63.5702, 0.2985, 0.5945** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **23.9759, 0.3474, 0.1688**, and the grayscale version is **28.5337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0775, 0.3119, 0.5264**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.5691, 0.2985, 0.5946**, and if you desaturate by 10%, it is **63.9012, 0.2975, 0.5825**.

Distribution



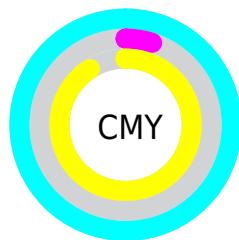
- Red (0%)
- Green (95%)
- Blue (9%)



- Red (0%)
- Yellow (86%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5702, 0.2985, 0.5945 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 63.5702, 0.2985, 0.5945 by changing the saturation by 10% instead.


 63.5702, 0.2985,
0.5945


 63.5702, 0.2985,
0.5945


437.6359, 0.3179,
0.4599

 46.3027, 0.2899,
0.6257


 109.9917, 0.3085,
0.5468


 32.4847, 0.2771,
0.6632


 139.9145, 0.3113,
0.5284


 21.7320, 0.2575,
0.7081


 174.8244, 0.3134,
0.5126

 13.6601, 0.2302,
0.7698

 215.1060, 0.3149,
0.4991

 7.8846, 0.1816,
0.8184

 261.1435, 0.3160,
0.4873

 4.0212, 0.1080,
0.8920

 313.3214, 0.3168,

 1.6854, 0.0000,

0.4770

1.0000

372.0241, 0.3174,
0.4679

■ 0.4142, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.5702, 0.2985,
0.5945

■ 63.5702, 0.2985,
0.5945

■ 63.5691, 0.2985,
0.5946

■ 63.9012, 0.2975,
0.5825

■ 64.5640, 0.2968,
0.5631

■ 65.6480, 0.2971,
0.5370

■ 67.2084, 0.2981,
0.5062

■ 69.2923, 0.2999,
0.4730

■ 71.9407, 0.3021,
0.4396

■ 75.1907, 0.3047,
0.4077

■ 79.0764, 0.3074,
0.3783

■ 83.6291, 0.3101,
0.3519

Harmonies

Analogous

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



63.5702, 0.4157, 0.5538



63.5702, 0.2985, 0.5945



63.5702, 0.1902, 0.4862

Triad

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



63.5702, 0.2985, 0.5945



63.5702, 0.1195, 0.1516



63.5702, 0.5414, 0.2902

Complementary

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



63.5702, 0.2985, 0.5945



23.9759, 0.3474, 0.1688

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.



63.5702, 0.4145, 0.2200



63.5702, 0.2985, 0.5945



63.5702, 0.1714, 0.1449

Square

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



63.5702, 0.2985, 0.5945



63.5702, 0.1037, 0.1982



63.5702, 0.2709, 0.1685



63.5702, 0.5754, 0.3680

Rectangle

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



63.5702, 0.2985, 0.5945



63.5702, 0.1396, 0.3646



63.5702, 0.2709, 0.1685



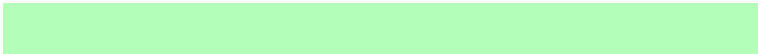
63.5702, 0.5068, 0.2657

Sweetspot

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



63.5728, 0.2985, 0.5945



84.5863, 0.3046, 0.4084



79.0144, 0.4046, 0.5169



17.7570, 0.3035, 0.4217



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.



63.5728, 0.2985, 0.5945



71.5891, 0.2986, 0.5948



65.4402, 0.2650, 0.4740



17.6813, 0.3102, 0.3510



34.1581, 0.2981, 0.5933



2.8500, 0.2939, 0.5782

Inverse Universe

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



23.9759, 0.3474, 0.1688



26.9869, 0.3475, 0.1688



19.8260, 0.5346, 0.2720



16.0034, 0.3153, 0.3080



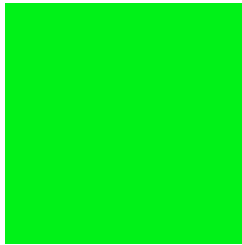
12.8859, 0.3470, 0.1685



1.0796, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 63.5702, 0.2985, 0.5945 looks on a white background.

Color Contrast Check

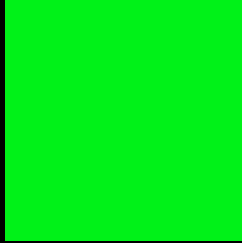
Large Text (above 18pt) WCAG AA × Fail

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 63.5702, 0.2985, 0.5945 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 63.5702, 0.2985, 0.5945

Background



This preview shows how black text looks on a background with the Yxy color 63.5702, 0.2985, 0.5945.



This preview shows how white text looks on a background with the Yxy color 63.5702, 0.2985, 0.5945.

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

63.5702, 0.2985, 0.5945

Protanopia

61.9493, 0.4407, 0.4883

Deuteranopia

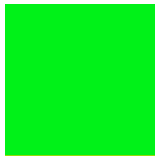
61.8806, 0.4417, 0.4344



Tritanopia

63.0882, 0.2353, 0.3063

Trichromacy



Original Color

63.5702, 0.2985, 0.5945



Protanomaly

57.5020, 0.3615, 0.5491



Deuteranomaly

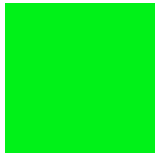
55.6400, 0.3643, 0.5116



Tritanomaly

60.8862, 0.2615, 0.4269

Monochromacy



Original Color

63.5702, 0.2985, 0.5945



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

35.8574, 0.3000, 0.4659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5702, 0.2985, 0.5945 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, 242, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 24)  
}
```

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, 242, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 24) }
```

Border

The CSS property to change the border of an element to Yxy 63.5702, 0.2985, 0.5945 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, 242, 24) }
```

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

```
.border{ border-color:rgb(0, 242, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 242, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 63.5702, 0.2985, 0.5945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 24) }
```

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

```
.background{ background-color: rgb(0, 242,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor