

# Converting Colors

$Yxy(63.6687, 0.2996, 0.5987)$

Have a look what the booklet for  
Yxy(63.6687, 0.2996, 0.5987)  
contains.

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**Color**

**Yxy(63.5196, 0.2996, 0.5987)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F207
RGB	0, 242, 7
RGB Percent	0%, 95%, 3%
CMY	1.0000, 0.0509, 0.9719
CMYK	1.00, 0.00, 0.97, 0.05
HSL	122°, 100%, 47%
HSV	122°, 100%, 95%
XYZ	31.7863, 63.5196, 10.7900
YIQ	142.8520, -68.7970, -124.3890

# Conversions

## Conversions Part 2

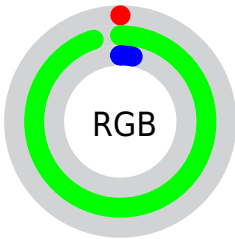
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 235, 242
Decimal	61959
CIELab	83.72, -82.75, 79.37
CIELCh	84, 114.659, 136.193
Yxy	63.5196, 0.2996, 0.5987
Android (android.graphics.Color)	4278252039 (0xFF00F207)
YUV	142.8520, -66.9750, -125.2812
Hunter-Lab	79.6992, -68.2826, 47.7625

# Details

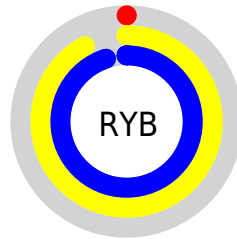
The Yxy color **63.5196, 0.2996, 0.5987** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **24.8681, 0.3286, 0.1584**, and the grayscale version is **27.7092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9883, 0.3136, 0.5312**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.5255, 0.2996, 0.5987**, and if you desaturate by 10%, it is **63.8036, 0.2996, 0.5904**.

# Distribution



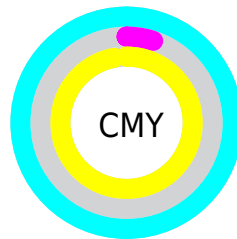
- Red (0%)
- Green (95%)
- Blue (3%)



- Red (0%)
- Yellow (92%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5196, 0.2996, 0.5987 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 63.5196, 0.2996, 0.5987 by changing the saturation by 10% instead.





 63.5196, 0.2996,  
0.5987


 63.5196, 0.2996,  
0.5987

437.4528, 0.3191,  
0.4623


 46.2617, 0.2908,  
0.6300


 109.9188, 0.3097,  
0.5505


 32.4524, 0.2776,  
0.6676


 139.8289, 0.3127,  
0.5319


 21.7073, 0.2575,  
0.7121


 174.7251, 0.3147,  
0.5159

 13.6420, 0.2289,  
0.7711

 214.9919, 0.3162,  
0.5022

 7.8721, 0.1802,  
0.8198

 261.0137, 0.3173,  
0.4902

 4.0132, 0.1059,  
0.8941

 313.1748, 0.3181,

 1.6809, 0.0000,

0.4797

1.0000

371.8597, 0.3187,  
0.4705

■ 0.4113, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.5196, 0.2996,  
0.5987

■ 63.5196, 0.2996,  
0.5987

■ 63.5255, 0.2996,  
0.5987

■ 63.8036, 0.2996,  
0.5904

■ 64.4156, 0.2999,  
0.5739

■ 65.4554, 0.3007,  
0.5493

■ 66.9820, 0.3020,  
0.5184

■ 69.0452, 0.3036,  
0.4840

■ 71.6886, 0.3055,  
0.4486

■ 74.9514, 0.3074,  
0.4143

■ 78.8692, 0.3093,  
0.3826

■ 83.4752, 0.3111,  
0.3541

# Harmonies

## Analogous

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



63.5196, 0.4177, 0.5542



63.5196, 0.2996, 0.5987



63.5196, 0.1901, 0.4917

# Triad

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



63.5196, 0.2996, 0.5987



63.5196, 0.1173, 0.1504



63.5196, 0.5427, 0.2881

# Complementary

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



63.5196, 0.2996, 0.5987



24.8681, 0.3286, 0.1584

# 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.



63.5196, 0.4130, 0.2177



63.5196, 0.2996, 0.5987



63.5196, 0.1687, 0.1432

# Square

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



63.5196, 0.2996, 0.5987



63.5196, 0.1019, 0.1979



63.5196, 0.2681, 0.1663



63.5196, 0.5784, 0.3660



# Rectangle

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



63.5196, 0.2996, 0.5987



63.5196, 0.1387, 0.3679



63.5196, 0.2681, 0.1663



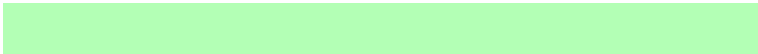
63.5196, 0.5072, 0.2635

# Sweetspot

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



63.5255, 0.2996, 0.5987



84.3708, 0.3074, 0.4146



81.6828, 0.4164, 0.5076



17.7081, 0.3066, 0.4288



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.



63.5255, 0.2996, 0.5987



71.5365, 0.2997, 0.5988



64.9915, 0.2716, 0.4979



17.6640, 0.3112, 0.3527



34.1269, 0.2995, 0.5981



2.8417, 0.2981, 0.5932



# Inverse Universe

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



24.8681, 0.3286, 0.1584



28.0032, 0.3286, 0.1584



20.1626, 0.5067, 0.2565



16.0229, 0.3143, 0.3064



13.3620, 0.3284, 0.1583

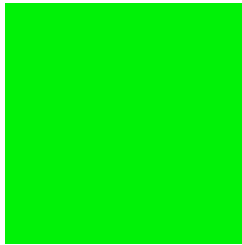


1.1141, 0.3274, 0.1577



# Previews

## White Background



This preview shows how the Yxy color 63.5196, 0.2996, 0.5987 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

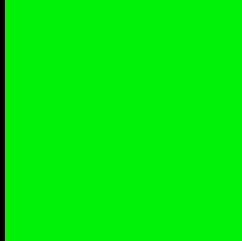
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.5196, 0.2996, 0.5987 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

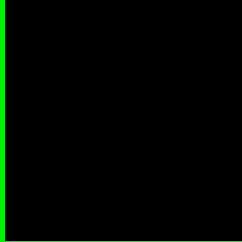
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

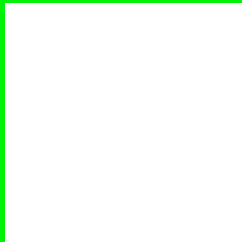
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.5196, 0.2996, 0.5987**

## Background



This preview shows how black text looks on a background with the Yxy color 63.5196, 0.2996, 0.5987.



This preview shows how white text looks on a background with the Yxy color 63.5196, 0.2996, 0.5987.

# 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

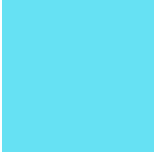
63.5196, 0.2996, 0.5987

### Protanopia

61.9493, 0.4407, 0.4883

### Deuteranopia

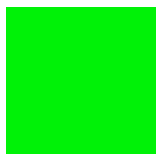
61.8644, 0.4423, 0.4351



## Tritanopia

63.1463, 0.2357, 0.3063

# Trichromacy



## Original Color

63.5196, 0.2996, 0.5987



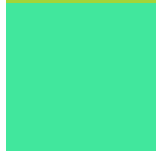
## Protanomaly

57.4889, 0.3619, 0.5501



## Deuteranomaly

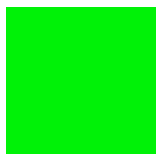
55.5653, 0.3668, 0.5168



## Tritanomaly

60.7100, 0.2646, 0.4361

# Monochromacy



## Original Color

63.5196, 0.2996, 0.5987



## Achromatopsia

27.4677, 0.3127, 0.3290



## Achromatomaly

35.2725, 0.3037, 0.4770

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5196, 0.2996, 0.5987 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 7) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5196, 0.2996, 0.5987 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, 7) }
```

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

```
.border{ border-color:rgb(0, 242, 7) }
```

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, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 242, 7); box-shadow:4px  
4px 4px 4px rgb(0, 242, 7) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5196, 0.2996, 0.5987 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, 7) }
```

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

```
.background{ background-color: rgb(0, 242,  
7) }
```

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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