

Converting Colors

$Yxy(64.4264, 0.2996, 0.5987)$

Have a look what the booklet for
Yxy(64.4264, 0.2996, 0.5987)
contains.

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Color

Yxy(64.7167, 0.2996, 0.5987)

Conversions

Conversions Part 1

Format	Color
Hex	00F407
RGB	0, 244, 7
RGB Percent	0%, 96%, 3%
CMY	1.0000, 0.0431, 0.9714
CMYK	1.00, 0.00, 0.97, 0.04
HSL	122°, 100%, 48%
HSV	122°, 100%, 96%
XYZ	32.3854, 64.7167, 10.9933
YIQ	144.0260, -69.3470, -125.4350

Conversions

Conversions Part 2

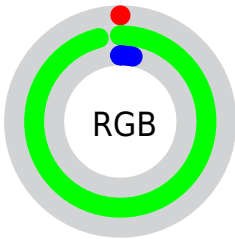
Format	Color
RYB	0, 237, 244
Decimal	62471
CIELab	84.34, -83.26, 79.87
CIELCh	84, 115.375, 136.193
Yxy	64.7167, 0.2996, 0.5987
Android (android.graphics.Color)	4278252551 (0xFF00F407)
YUV	144.0260, -67.5538, -126.3108
Hunter-Lab	80.4467, -68.9231, 48.2105

Details

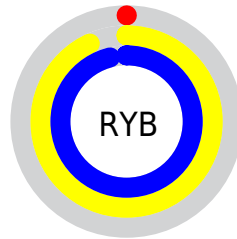
The Yxy color **64.7167, 0.2996, 0.5987** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **25.3321, 0.3287, 0.1584**, and the grayscale version is **28.2159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0746, 0.3137, 0.5300**, and **35.1178, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.7227, 0.2996, 0.5987**, and if you desaturate by 10%, it is **65.0046, 0.2996, 0.5904**.

Distribution



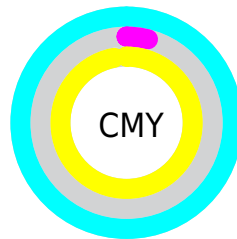
- Red (0%)
- Green (96%)
- Blue (3%)



- Red (0%)
- Yellow (93%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7167, 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 64.7167, 0.2996, 0.5987 by changing the saturation by 10% instead.


 64.7167, 0.2996,
0.5987


 64.7167, 0.2996,
0.5987


441.7732, 0.3190,
0.4627


 47.2314, 0.2909,
0.6298


 111.6425, 0.3097,
0.5508

 33.2186, 0.2778,
0.6670


 141.8517, 0.3126,
0.5322

 22.2940, 0.2580,
0.7112


 177.0711, 0.3147,
0.5163

 14.0731, 0.2300,
0.7700

 217.6849, 0.3162,
0.5026

 8.1715, 0.1820,
0.8180

 264.0777, 0.3173,
0.4906

 4.2049, 0.1116,
0.8884

 316.6337, 0.3181,

 1.7888, 0.0000,

0.4802

1.0000

375.7374, 0.3186,
0.4709

■ 0.4802, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7167, 0.2996,
0.5987

■ 64.7167, 0.2996,
0.5987

■ 64.7227, 0.2996,
0.5987

■ 65.0046, 0.2996,
0.5904

■ 65.6272, 0.2999,
0.5739

■ 66.6857, 0.3007,
0.5493

■ 68.2404, 0.3019,
0.5184

■ 70.3421, 0.3036,
0.4840

■ 73.0353, 0.3054,
0.4486

■ 76.3599, 0.3074,
0.4143

■ 80.3524, 0.3093,
0.3826

■ 85.0465, 0.3111,
0.3541

Harmonies

Analogous

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



64.7167, 0.4177, 0.5542



64.7167, 0.2996, 0.5987



64.7167, 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.



64.7167, 0.2996, 0.5987



64.7167, 0.1173, 0.1504



64.7167, 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.



64.7167, 0.2996, 0.5987



25.3321, 0.3287, 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.



64.7167, 0.4130, 0.2177



64.7167, 0.2996, 0.5987



64.7167, 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.



64.7167, 0.2996, 0.5987



64.7167, 0.1019, 0.1979



64.7167, 0.2681, 0.1663



64.7167, 0.5784, 0.3660

Rectangle

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



64.7167, 0.2996, 0.5987



64.7167, 0.1387, 0.3679



64.7167, 0.2681, 0.1663



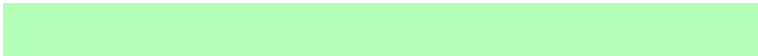
64.7167, 0.5072, 0.2635

Sweetspot

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



64.7227, 0.2996, 0.5987



84.3718, 0.3074, 0.4146



83.2219, 0.4164, 0.5076



17.7083, 0.3065, 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.



64.7227, 0.2996, 0.5987



71.5367, 0.2997, 0.5987



66.2149, 0.2717, 0.4979



18.4801, 0.3112, 0.3527



35.1933, 0.2995, 0.5981



3.0959, 0.2982, 0.5934

Inverse Universe

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



25.3321, 0.3287, 0.1584



27.9983, 0.3287, 0.1584



20.5412, 0.5068, 0.2566



16.7592, 0.3143, 0.3064



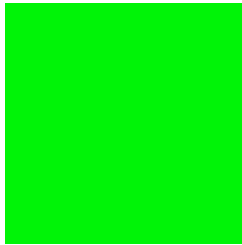
13.7769, 0.3285, 0.1583



1.2135, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 64.7167, 0.2996, 0.5987 looks on a white background.

Color Contrast Check

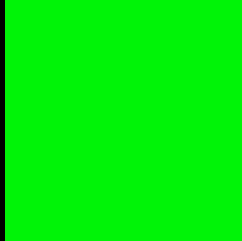
Large Text (above 18pt) WCAG AA × Fail

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 64.7167, 0.2996, 0.5987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

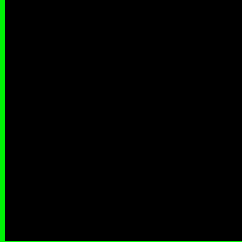
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

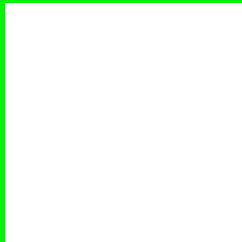
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7167, 0.2996, 0.5987

Background



This preview shows how black text looks on a background with the Yxy color 64.7167, 0.2996, 0.5987.



This preview shows how white text looks on a background with the Yxy color 64.7167, 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

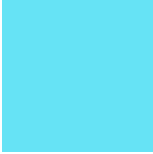
64.7167, 0.2996, 0.5987

Protanopia

63.2631, 0.4405, 0.4884

Deuteranopia

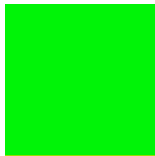
62.9699, 0.4345, 0.4287



Tritanopia

64.3555, 0.2354, 0.3065

Trichromacy



Original Color

64.7167, 0.2996, 0.5987



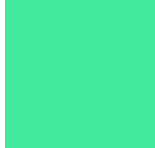
Protanomaly

58.7332, 0.3624, 0.5498



Deuteranomaly

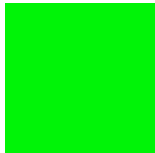
56.6524, 0.3633, 0.5129



Tritanomaly

61.9048, 0.2642, 0.4352

Monochromacy



Original Color

64.7167, 0.2996, 0.5987



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

35.7260, 0.3043, 0.4778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7167, 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, 244, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 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, 244, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 7) }
```

Border

The CSS property to change the border of an element to Yxy 64.7167, 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, 244, 7) }
```

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

```
.border{ border-color:rgb(0, 244, 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, 244, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 244, 7); box-shadow:4px  
4px 4px 4px rgb(0, 244, 7) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7167, 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, 244, 7) }
```

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

```
.background{ background-color: rgb(0, 244,  
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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