

Converting Colors

$Yxy(66.9379, 0.2977, 0.5918)$

Have a look what the booklet for
Yxy(66.9379, 0.2977, 0.5918)
contains.

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Color

Yxy(67.2391, 0.2977, 0.5917)

Conversions

Conversions Part 1

Format	Color
Hex	00F820
RGB	0, 248, 32
RGB Percent	0%, 97%, 13%
CMY	0.9997, 0.0274, 0.8741
CMYK	1.00, 0.00, 0.87, 0.03
HSL	128°, 100%, 49%
HSV	128°, 100%, 97%
XYZ	33.8298, 67.2391, 12.5683
YIQ	149.2240, -78.4720, -119.7520

Conversions

Conversions Part 2

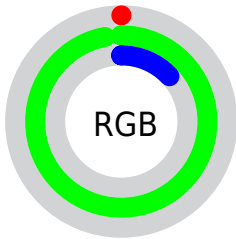
Format	Color
RYB	0, 220, 248
Decimal	63520
CIELab	85.62, -83.69, 77.84
CIELCh	86, 114.293, 137.077
Yxy	67.2391, 0.2977, 0.5917
Android (android.graphics.Color)	4278253600 (0xFF00F820)
YUV	149.2240, -57.7914, -130.8694
Hunter-Lab	81.9995, -69.8569, 48.3121

Details

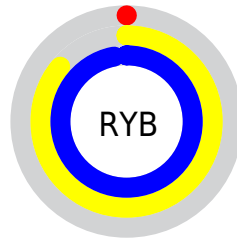
The Yxy color **67.2391, 0.2977, 0.5917** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **24.9152, 0.3572, 0.1741**, and the grayscale version is **30.4433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2415, 0.3106, 0.5211**, and **36.8269, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.2410, 0.2977, 0.5917**, and if you desaturate by 10%, it is **67.6052, 0.2962, 0.5783**.

Distribution



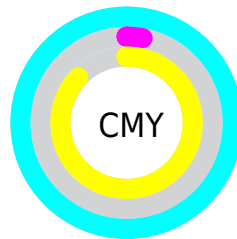
- Red (0%)
- Green (97%)
- Blue (13%)



- Red (0%)
- Yellow (86%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2391, 0.2977, 0.5917 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 67.2391, 0.2977, 0.5917 by changing the saturation by 10% instead.


 67.2391, 0.2977,
0.5917


 67.2391, 0.2977,
0.5917

 450.7954, 0.3170,
0.4595

 49.2790, 0.2894,
0.6221


 115.2630, 0.3074,
0.5450

 34.8408, 0.2772,
0.6588

 146.0955, 0.3103,
0.5270


 23.5403, 0.2587,
0.7027


 181.9875, 0.3124,
0.5115

 14.9930, 0.2333,
0.7638

 223.3236, 0.3139,
0.4982

 8.8144, 0.1875,
0.8125

 270.4880, 0.3150,
0.4866

 4.6203, 0.1239,
0.8761


 323.8652, 0.3159,

 2.0263, 0.0000,


0.4765


1.0000


383.8395, 0.3165,
0.4675


 0.6227, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 67.2391, 0.2977,
0.5917


 67.2391, 0.2977,
0.5917

 67.2410, 0.2977,
0.5917


 67.6052, 0.2962,
0.5783


 68.3185, 0.2952,
0.5579


 69.4725, 0.2952,
0.5315

 71.1245, 0.2961,
0.5010

 73.3234, 0.2980,
0.4685

 76.1119, 0.3005,
0.4362

 79.5288, 0.3034,
0.4053

 83.6092, 0.3065,
0.3769

 88.3857, 0.3096,
0.3514

Harmonies

Analogous

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



67.2391, 0.4143, 0.5536



67.2391, 0.2977, 0.5917



67.2391, 0.1902, 0.4825

Triad

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



67.2391, 0.2977, 0.5917



67.2391, 0.1210, 0.1525



67.2391, 0.5406, 0.2916

Complementary

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



67.2391, 0.2977, 0.5917



24.9152, 0.3572, 0.1741

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.



67.2391, 0.4155, 0.2215



67.2391, 0.2977, 0.5917



67.2391, 0.1733, 0.1461

Square

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



67.2391, 0.2977, 0.5917



67.2391, 0.1048, 0.1984



67.2391, 0.2729, 0.1699



67.2391, 0.5734, 0.3693

Rectangle

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



67.2391, 0.2977, 0.5917



67.2391, 0.1402, 0.3623



67.2391, 0.2729, 0.1699



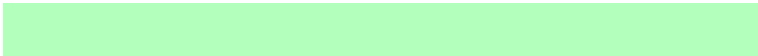
67.2391, 0.5066, 0.2671

Sweetspot

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



67.2419, 0.2977, 0.5917



84.6916, 0.3033, 0.4055



82.2089, 0.3986, 0.5217



17.7810, 0.3021, 0.4183



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.



67.2419, 0.2977, 0.5917



71.6295, 0.2977, 0.5919



69.4358, 0.2618, 0.4623



19.3457, 0.3098, 0.3503



36.3338, 0.2973, 0.5901



3.3762, 0.2926, 0.5735

Inverse Universe

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



24.9152, 0.3572, 0.1741



26.5371, 0.3572, 0.1742



20.7869, 0.5490, 0.2798



17.4837, 0.3158, 0.3086



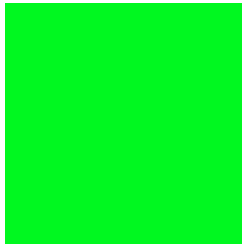
13.4725, 0.3565, 0.1738



1.2582, 0.3516, 0.1711

Previews

White Background



This preview shows how the Yxy color 67.2391, 0.2977, 0.5917 looks on a white background.

Color Contrast Check

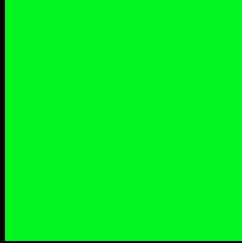
Large Text (above 18pt) WCAG AA × Fail

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 67.2391, 0.2977, 0.5917 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

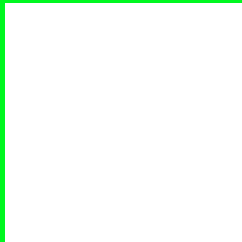
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.2391, 0.2977, 0.5917

Background



This preview shows how black text looks on a background with the Yxy color 67.2391, 0.2977, 0.5917.



This preview shows how white text looks on a background with the Yxy color 67.2391, 0.2977, 0.5917.

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

67.2391, 0.2977, 0.5917

Protanopia

65.4882, 0.4392, 0.4853

Deuteranopia

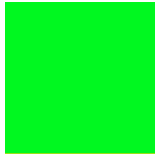
65.7301, 0.4185, 0.4165



Tritanopia

66.9344, 0.2355, 0.3068

Trichromacy



Original Color

67.2391, 0.2977, 0.5917



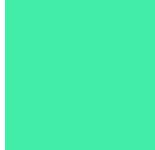
Protanomaly

60.5918, 0.3605, 0.5455



Deuteranomaly

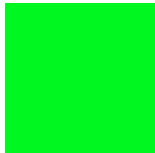
59.5397, 0.3521, 0.4970



Tritanomaly

64.6289, 0.2603, 0.4229

Monochromacy



Original Color

67.2391, 0.2977, 0.5917



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

38.1714, 0.2989, 0.4624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2391, 0.2977, 0.5917 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, 248, 32)` looks like.

```
.text, #text, p{  
    color:rgb(0, 248, 32)  
}
```

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, 248, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 248, 32) }
```

Border

The CSS property to change the border of an element to Yxy 67.2391, 0.2977, 0.5917 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, 248, 32) }
```

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

```
.border{ border-color:rgb(0, 248, 32) }
```

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

Here you see how a box with a 4 pixel rgb(0, 248, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 248, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 248, 32);  
box-shadow:4px 4px 4px 4px rgb(0, 248, 32)  
}
```


Background

The CSS property to change the background color of an element to Yxy 67.2391, 0.2977, 0.5917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 248, 32) }
```

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

```
.background{ background-color: rgb(0, 248,  
32) }
```

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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