

Converting Colors

$Yxy(67.1116, 0.3432, 0.5657)$

Have a look what the booklet for
Yxy(67.1116, 0.3432, 0.5657)
contains.

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Color

Yxy(67.3067, 0.3432, 0.5657)

Conversions

Conversions Part 1

Format	Color
Hex	85F000
RGB	133, 240, 0
RGB Percent	52%, 94%, 0%
CMY	0.4784, 0.0588, 0.9999
CMYK	0.45, 0.00, 1.00, 0.06
HSL	87°, 100%, 47%
HSV	87°, 100%, 94%
XYZ	40.8338, 67.3067, 10.8390
YIQ	180.6470, 13.2680, -97.3240

Conversions

Conversions Part 2

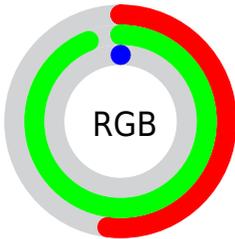
Format	Color
RYB	0, 240, 107
Decimal	8777728
CIELab	85.66, -60.90, 82.58
CIELCh	86, 102.611, 126.409
Yxy	67.3067, 0.3432, 0.5657
Android (android.graphics.Color)	4286967808 (0xFF85F000)
YUV	180.6470, -89.0590, -41.7864
Hunter-Lab	82.0407, -54.7271, 49.5952

Details

The Yxy color **67.3067, 0.3432, 0.5657** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark saturated chartreuse. A complement of this color would be **9.4191, 0.1906, 0.0824**, and the grayscale version is **46.4965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7275, 0.3600, 0.5036**, and **35.0959, 0.3211, 0.5833** is the 20% darker color. If you saturate the color by 10%, you get **67.3087, 0.3432, 0.5657**, and if you desaturate by 10%, it is **68.2915, 0.3482, 0.5558**.

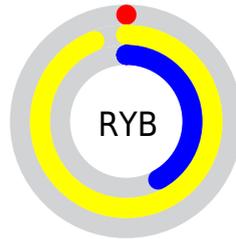
Distribution



Red (52%)

Green (94%)

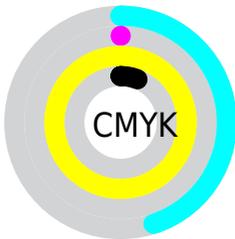
Blue (0%)



Red (0%)

Yellow (94%)

Blue (42%)

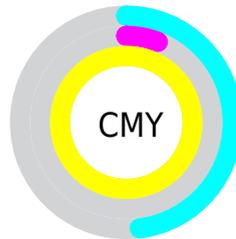


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (48%)

Magenta (6%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3067, 0.3432, 0.5657 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 67.3067, 0.3432, 0.5657 by changing the saturation by 10% instead.

 67.3067, 0.3432,
0.5657

 67.3067, 0.3432,
0.5657

451.0357, 0.3410,
0.4515

 49.3339, 0.3396,
0.5904

 115.3598, 0.3456,
0.5266

 34.8844, 0.3329,
0.6194

 146.2088, 0.3456,
0.5111

 23.5739, 0.3211,
0.6530

 182.1188, 0.3452,
0.4977

 15.0178, 0.3033,
0.6967

 223.4740, 0.3445,
0.4860

 8.8319, 0.2671,
0.7329

 270.6590, 0.3437,
0.4758

 4.6317, 0.2152,
0.7848

 324.0579, 0.3428,

 2.0328, 0.0733,

0.4667

0.9267

384.0554, 0.3419,
0.4587

■ 0.6264, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.3067, 0.3432,
0.5657

■ 67.3067, 0.3432,
0.5657

■ 67.3087, 0.3432,
0.5657

■ 68.2915, 0.3482,
0.5558

■ 69.4462, 0.3513,
0.5410

■ 70.8017, 0.3521,
0.5208

■ 72.3754, 0.3506,
0.4962

■ 74.1823, 0.3470,
0.4686

■ 76.2358, 0.3417,
0.4394

■ 78.5478, 0.3352,
0.4100

■ 81.1295, 0.3279,
0.3813

■ 83.9914, 0.3203,
0.3542

Harmonies

Analogous

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



67.3067, 0.4485, 0.5109



67.3067, 0.3432, 0.5657



67.3067, 0.2362, 0.5130

Triad

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



67.3067, 0.3432, 0.5657



67.3067, 0.1251, 0.1768



67.3067, 0.4852, 0.2725

Complementary

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



67.3067, 0.3432, 0.5657



9.4191, 0.1906, 0.0824

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.



67.3067, 0.3585, 0.2105



67.3067, 0.3432, 0.5657



67.3067, 0.1621, 0.1578

Square

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



67.3067, 0.3432, 0.5657



67.3067, 0.1218, 0.2397



67.3067, 0.2392, 0.1703



67.3067, 0.5505, 0.3451

Rectangle

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



67.3067, 0.3432, 0.5657



67.3067, 0.1781, 0.4165



67.3067, 0.2392, 0.1703



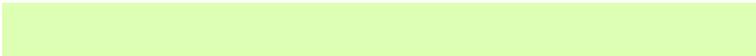
67.3067, 0.4464, 0.2501

Sweetspot

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



67.3096, 0.3432, 0.5657



90.1097, 0.3352, 0.4103



28.4297, 0.5628, 0.3913



19.0393, 0.3381, 0.4227



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.



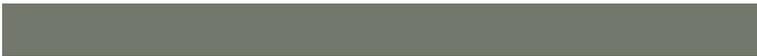
67.3096, 0.3432, 0.5657



77.2096, 0.3430, 0.5659



62.4329, 0.3011, 0.5991



18.0882, 0.3200, 0.3528



36.9247, 0.3443, 0.5648



3.1307, 0.3537, 0.5574

Inverse Universe

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



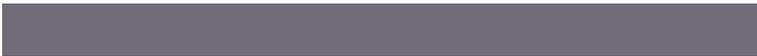
9.4191, 0.1906, 0.0824



10.7769, 0.1903, 0.0822



22.1401, 0.3040, 0.1448



15.5737, 0.3049, 0.3051



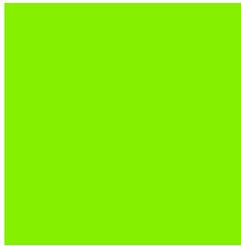
5.2315, 0.1923, 0.0833



0.4933, 0.2069, 0.0913

Previews

White Background



This preview shows how the Yxy color 67.3067, 0.3432, 0.5657 looks on a white background.

Color Contrast Check

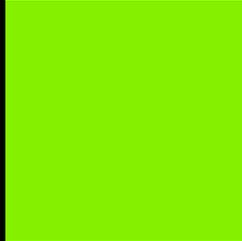
Large Text (above 18pt) WCAG AA × Fail

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 67.3067, 0.3432, 0.5657 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 67.3067, 0.3432, 0.5657

Background



This preview shows how black text looks on a background with the Yxy color 67.3067, 0.3432, 0.5657.



This preview shows how white text looks on a background with the Yxy color 67.3067, 0.3432, 0.5657.

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

67.3067, 0.3432, 0.5657

Protanopia

66.1138, 0.4409, 0.4881

Deuteranopia

66.2787, 0.4159, 0.4148



Tritanopia

66.8076, 0.2633, 0.3078

Trichromacy



Original Color

67.3067, 0.3432, 0.5657



Protanomaly

65.1929, 0.4019, 0.5191



Deuteranomaly

64.5135, 0.3966, 0.4806



Tritanomaly

64.9178, 0.3068, 0.4280

Monochromacy



Original Color

67.3067, 0.3432, 0.5657



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

51.3714, 0.3438, 0.4469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3067, 0.3432, 0.5657 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(133, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 240, 0)  
}
```

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(133, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.3067, 0.3432, 0.5657 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(133, 240, 0) }
```

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

```
.border{ border-color:rgb(133, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 240,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 67.3067, 0.3432, 0.5657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 240, 0) }
```

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

```
.background{ background-color: rgb(133,  
240, 0) }
```

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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