

Converting Colors

Yxy(67.5001, 0.2846, 0.5445)

Have a look what the booklet for
Yxy(67.5001, 0.2846, 0.5445)
contains.

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Color

Yxy(67.2942, 0.2844, 0.5438)

Conversions

Conversions Part 1

Format	Color
Hex	00F75C
RGB	0, 247, 92
RGB Percent	0%, 97%, 36%
CMY	0.9994, 0.0314, 0.6392
CMYK	1.00, 0.00, 0.63, 0.03
HSL	142°, 100%, 48%
HSV	142°, 100%, 97%
XYZ	35.1940, 67.2942, 21.2599
YIQ	155.4770, -97.4570, -100.5690

Conversions

Conversions Part 2

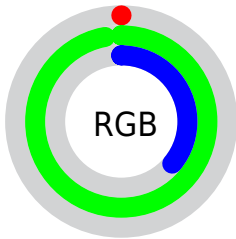
Format	Color
RYB	0, 180, 247
Decimal	63324
CIELab	85.65, -79.11, 59.23
CIELCh	86, 98.831, 143.177
Yxy	67.2942, 0.2844, 0.5438
Android (android.graphics.Color)	4278253404 (0xFF00F75C)
YUV	155.4770, -31.2942, -136.3533
Hunter-Lab	82.0330, -66.9775, 42.0574

Details

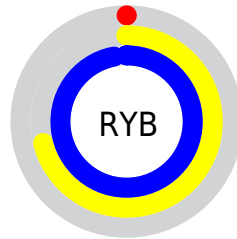
The Yxy color **67.2942, 0.2844, 0.5438** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **22.1496, 0.4453, 0.2227**, and the grayscale version is **33.1976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2714, 0.2909, 0.4673**, and **36.5050, 0.2956, 0.5842** is the 20% darker color. If you saturate the color by 10%, you get **67.2943, 0.2844, 0.5439**, and if you desaturate by 10%, it is **67.8004, 0.2809, 0.5241**.

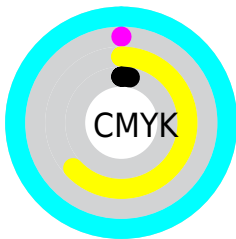
Distribution



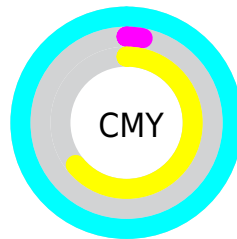
- Red (0%)
- Green (97%)
- Blue (36%)



- Red (0%)
- Yellow (71%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2942, 0.2844, 0.5438 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 67.2942, 0.2844, 0.5438 by changing the saturation by 10% instead.

 67.2942, 0.2844,
0.5438


 67.2942, 0.2844,
0.5438

450.9913, 0.3049,
0.4339

 49.3238, 0.2775,
0.5707


 115.3419, 0.2933,
0.5040


 34.8764, 0.2676,
0.6044


 146.1879, 0.2962,
0.4889

 23.5677, 0.2532,
0.6474


 182.0945, 0.2985,
0.4762

 15.0132, 0.2312,
0.7024

 223.4462, 0.3003,
0.4653

 8.8287, 0.2001,
0.7860

 270.6273, 0.3018,
0.4558

 4.6296, 0.1423,
0.8577

324.0223, 0.3030,

 2.0316, 0.0000,

0.4476

1.0000

384.0155, 0.3040,
0.4403

■ 0.6257, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.2942, 0.2844,
0.5438

■ 67.2942, 0.2844,
0.5438


■ 67.2943, 0.2844,
0.5439

■ 67.8004, 0.2809,
0.5241


■ 68.6207, 0.2789,
0.5019


■ 69.8396, 0.2787,
0.4779

■ 71.5078, 0.2803,
0.4531

 73.6680, 0.2836,
0.4286

 76.3577, 0.2881,
0.4051

 79.6107, 0.2936,
0.3832

 83.4578, 0.2997,
0.3631

 87.9278, 0.3062,
0.3450

Harmonies

Analogous

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



67.2942, 0.3907, 0.5433



67.2942, 0.2844, 0.5438



67.2942, 0.1908, 0.4295

Triad

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



67.2942, 0.2844, 0.5438



67.2942, 0.1458, 0.1664



67.2942, 0.5251, 0.3139

Complementary

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



67.2942, 0.2844, 0.5438



22.1496, 0.4453, 0.2227

Split Complementary

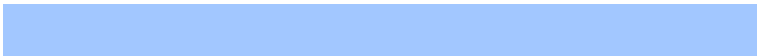
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.2942, 0.4287, 0.2460



67.2942, 0.2844, 0.5438



67.2942, 0.2032, 0.1656

Square

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



67.2942, 0.2844, 0.5438



67.2942, 0.1243, 0.2023



67.2942, 0.3024, 0.1934



67.2942, 0.5410, 0.3891

Rectangle

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



67.2942, 0.2844, 0.5438



67.2942, 0.1497, 0.3315



67.2942, 0.3024, 0.1934



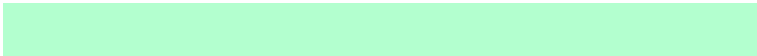
67.2942, 0.5005, 0.2903

Sweetspot

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



67.2970, 0.2844, 0.5438



85.5476, 0.2935, 0.3834



73.6405, 0.3554, 0.5560



17.9789, 0.2911, 0.3925



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.



67.2970, 0.2844, 0.5438



72.3442, 0.2845, 0.5442



71.3837, 0.2367, 0.3721



18.5740, 0.3065, 0.3442



35.6140, 0.2836, 0.5408



3.1493, 0.2766, 0.5156

Inverse Universe

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



22.1496, 0.4453, 0.2227



23.8021, 0.4457, 0.2229



19.8882, 0.6255, 0.3220



16.6576, 0.3195, 0.3142



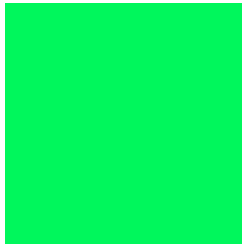
11.7395, 0.4428, 0.2213



1.0516, 0.4234, 0.2106

Previews

White Background



This preview shows how the Yxy color 67.2942, 0.2844, 0.5438 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 67.2942, 0.2844, 0.5438 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

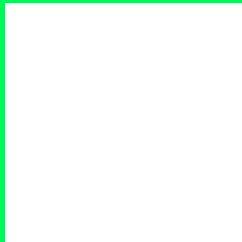
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.2942, 0.2844, 0.5438

Background



This preview shows how black text looks on a background with the Yxy color 67.2942, 0.2844, 0.5438.

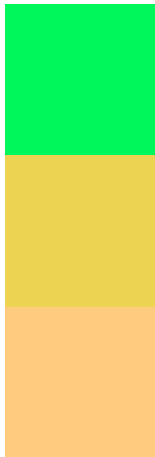


This preview shows how white text looks on a background with the Yxy color 67.2942, 0.2844, 0.5438.

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

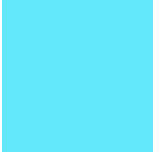
67.2942, 0.2844, 0.5438

Protanopia

65.5290, 0.4181, 0.4593

Deuteranopia

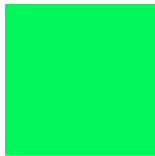
65.4782, 0.4129, 0.4074



Tritanopia

66.7066, 0.2335, 0.3056

Trichromacy



Original Color

67.2942, 0.2844, 0.5438



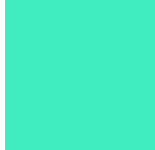
Protanomaly

61.0063, 0.3415, 0.5059



Deuteranomaly

59.5593, 0.3381, 0.4654



Tritanomaly

65.4754, 0.2493, 0.3890

Monochromacy



Original Color

67.2942, 0.2844, 0.5438



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

40.7413, 0.2845, 0.4204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2942, 0.2844, 0.5438 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, 247, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 92)  
}
```

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, 247, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 92) }
```

Border

The CSS property to change the border of an element to Yxy 67.2942, 0.2844, 0.5438 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, 247, 92) }
```

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

```
.border{ border-color:rgb(0, 247, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 247, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 247, 92)  
}
```


Background

The CSS property to change the background color of an element to Yxy 67.2942, 0.2844, 0.5438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 92) }
```

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

```
.background{ background-color: rgb(0, 247,  
92) }
```

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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