

Converting Colors

Yxy(67.5443, 0.3096, 0.5906)

Have a look what the booklet for
Yxy(67.5443, 0.3096, 0.5906)
contains.

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Color

Yxy(67.6629, 0.3097, 0.5906)

Conversions

Conversions Part 1

Format	Color
Hex	41F708
RGB	65, 247, 8
RGB Percent	25%, 97%, 3%
CMY	0.7454, 0.0313, 0.9682
CMYK	0.74, 0.00, 0.97, 0.03
HSL	106°, 94%, 50%
HSV	106°, 97%, 97%
XYZ	35.4812, 67.6629, 11.4223
YIQ	165.3360, -31.7530, -112.9130

Conversions

Conversions Part 2

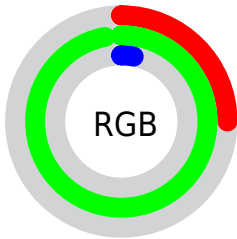
Format	Color
RYB	8, 247, 190
Decimal	4323080
CIELab	85.84, -78.94, 81.26
CIELCh	86, 113.287, 134.171
Yxy	67.6629, 0.3097, 0.5906
Android (android.graphics.Color)	4282513160 (0xFF41F708)
YUV	165.3360, -77.5666, -87.9947
Hunter-Lab	82.2575, -66.9558, 49.3472

Details

The Yxy color **67.6629, 0.3097, 0.5906** 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 **17.8654, 0.2624, 0.1228**, and the grayscale version is **38.1861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8858, 0.3253, 0.5218**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.4485, 0.3084, 0.5934**, and if you desaturate by 10%, it is **68.5089, 0.3140, 0.5788**.

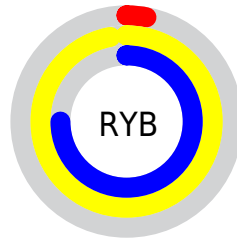
Distribution



Red (25%)

Green (97%)

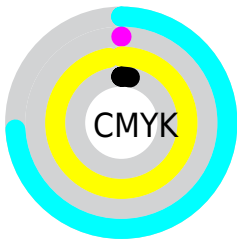
Blue (3%)



Red (3%)

Yellow (97%)

Blue (75%)

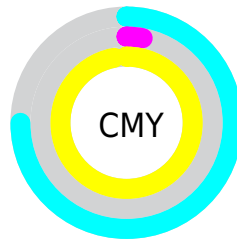


Cyan (74%)

Magenta (0%)

Yellow (97%)

Black (3%)



Cyan (75%)


Magenta (3%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6629, 0.3097, 0.5906 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 67.6629, 0.3097, 0.5906 by changing the saturation by 10% instead.


 67.6629, 0.3097,
0.5906


 67.6629, 0.3097,
0.5906


 452.3007, 0.3240,
0.4607


 49.6235, 0.3023,
0.6198


 115.8698, 0.3179,
0.5452


 35.1144, 0.2910,
0.6546


 146.8061, 0.3201,
0.5275

 23.7510, 0.2735,
0.6957

 182.8101, 0.3216,
0.5123

 15.1490, 0.2489,
0.7511

 224.2663, 0.3226,
0.4991

 8.9240, 0.2045,
0.7955

 271.5591, 0.3233,
0.4876

 4.6917, 0.1444,
0.8556


 325.0728, 0.3237,

 2.0675, 0.0000,


0.4776


1.0000


385.1919, 0.3239,
0.4686


 0.6463, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.6629, 0.3097,
0.5906


 67.6629, 0.3097,
0.5906

 67.4485, 0.3084,
0.5934


 68.5089, 0.3140,
0.5788


 69.6860, 0.3176,
0.5595


 71.2336, 0.3201,
0.5336


 73.1823, 0.3214,
0.5030

 75.5594, 0.3215,
0.4698

 78.3896, 0.3207,
0.4362

 81.6957, 0.3190,
0.4037

 85.4988, 0.3169,
0.3734

 89.8188, 0.3145,
0.3459

Harmonies

Analogous

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



67.6629, 0.4250, 0.5439



67.6629, 0.3097, 0.5906



67.6629, 0.2006, 0.4968

Triad

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



67.6629, 0.3097, 0.5906



67.6629, 0.1193, 0.1563



67.6629, 0.5296, 0.2851

Complementary

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



67.6629, 0.3097, 0.5906



17.8654, 0.2624, 0.1228

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.



67.6629, 0.4002, 0.2165



67.6629, 0.3097, 0.5906



67.6629, 0.1675, 0.1466

Square

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



67.6629, 0.3097, 0.5906



67.6629, 0.1065, 0.2070



67.6629, 0.2615, 0.1675



67.6629, 0.5725, 0.3618

Rectangle

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



67.6629, 0.3097, 0.5906



67.6629, 0.1475, 0.3790



67.6629, 0.2615, 0.1675



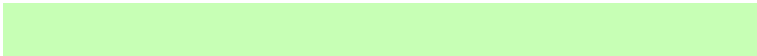
67.6629, 0.4931, 0.2609

Sweetspot

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



67.6657, 0.3097, 0.5906



86.9504, 0.3195, 0.4112



55.4556, 0.4699, 0.4634



18.2834, 0.3202, 0.4250



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.



67.6657, 0.3097, 0.5906



72.5006, 0.3083, 0.5934



66.9945, 0.2917, 0.5679



18.6622, 0.3152, 0.3532



35.7224, 0.3093, 0.5927



3.1850, 0.3176, 0.5860

Inverse Universe

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



17.8654, 0.2624, 0.1228



18.7375, 0.2602, 0.1207



23.5520, 0.3947, 0.1959



16.5582, 0.3100, 0.3054



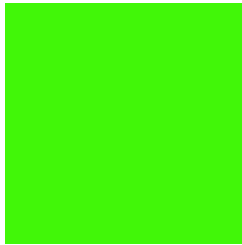
9.2922, 0.2613, 0.1213



0.8633, 0.2691, 0.1256

Previews

White Background



This preview shows how the Yxy color 67.6629, 0.3097, 0.5906 looks on a white background.

Color Contrast Check

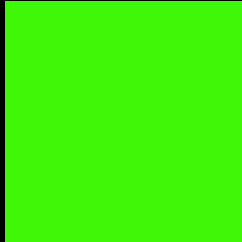
Large Text (above 18pt) WCAG AA × Fail

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 67.6629, 0.3097, 0.5906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

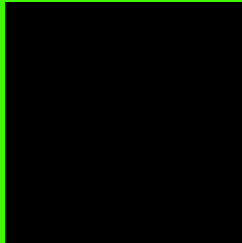
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6629, 0.3097, 0.5906

Background



This preview shows how black text looks on a background with the Yxy color 67.6629, 0.3097, 0.5906.



This preview shows how white text looks on a background with the Yxy color 67.6629, 0.3097, 0.5906.

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

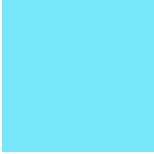
67.6629, 0.3097, 0.5906

Protanopia

66.1138, 0.4409, 0.4881

Deuteranopia

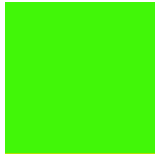
65.8018, 0.4165, 0.4138



Tritanopia

67.2929, 0.2411, 0.3071

Trichromacy



Original Color

67.6629, 0.3097, 0.5906



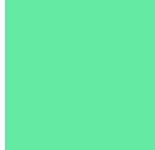
Protanomaly

63.0871, 0.3806, 0.5354



Deuteranomaly

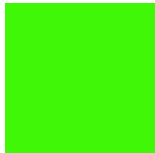
62.1900, 0.3740, 0.4922



Tritanomaly

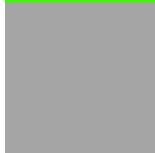
65.2168, 0.2755, 0.4322

Monochromacy



Original Color

67.6629, 0.3097, 0.5906



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

44.7801, 0.3216, 0.4605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6629, 0.3097, 0.5906 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(65, 247, 8)` looks like.

```
.text, #text, p{  
    color:rgb(65, 247, 8)  
}
```

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(65, 247, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 247, 8) }
```

Border

The CSS property to change the border of an element to Yxy 67.6629, 0.3097, 0.5906 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(65, 247, 8) }
```

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

```
.border{ border-color:rgb(65, 247, 8) }
```

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

Here you see how a box with a 4 pixel rgb(65, 247, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 247, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 247, 8);  
box-shadow:4px 4px 4px 4px rgb(65, 247, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 67.6629, 0.3097, 0.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 247, 8) }
```

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

```
.background{ background-color: rgb(65, 247,  
8) }
```

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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