

Converting Colors

$Y_{xy}(70.7454, 0.3227, 0.5685)$

Have a look what the booklet for
Yxy(70.7454, 0.3227, 0.5685)
contains.

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Color

Yxy(71.0304, 0.3227, 0.5685)

Conversions

Conversions Part 1

Format	Color
Hex	6BF928
RGB	107, 249, 40
RGB Percent	42%, 98%, 16%
CMY	0.5805, 0.0235, 0.8430
CMYK	0.57, 0.00, 0.84, 0.02
HSL	101°, 95%, 57%
HSV	101°, 84%, 98%
XYZ	40.3193, 71.0304, 13.5939
YIQ	182.7160, -17.5430, -95.1030

Conversions

Conversions Part 2

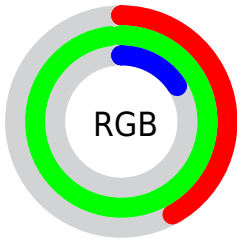
Format	Color
R_{YB}	40, 249, 182
Decimal	7076136
CIE _{Lab}	87.50, -70.43, 78.49
CIE _{LCh}	87, 105.456, 131.903
Yxy	71.0304, 0.3227, 0.5685
Android (android.graphics.Color)	4285266216 (0xFF6BF928)
YUV	182.7160, -70.3590, -66.4029
Hunter-Lab	84.2795, -62.0949, 49.4325

Details

The Yxy color **71.0304, 0.3227, 0.5685** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **18.3126, 0.2534, 0.1248**, and the grayscale version is **47.5885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2185, 0.3388, 0.4989**, and **37.3808, 0.3020, 0.5984** is the 20% darker color. If you saturate the color by 10%, you get **69.9669, 0.3179, 0.5826**, and if you desaturate by 10%, it is **72.4141, 0.3261, 0.5476**.

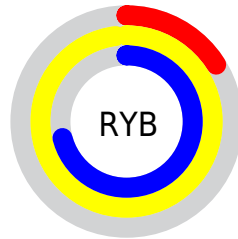
Distribution



Red (42%)

Green (98%)

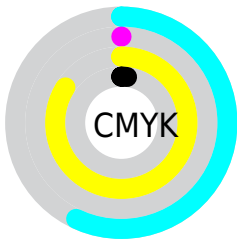
Blue (16%)



Red (16%)

Yellow (98%)

Blue (71%)

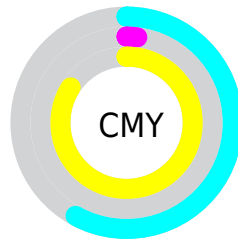


Cyan (57%)

Magenta (0%)

Yellow (84%)

Black (2%)



Cyan (58%)


Magenta (2%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0304, 0.3227, 0.5685 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 71.0304, 0.3227, 0.5685 by changing the saturation by 10% instead.

 71.0304, 0.3227,
0.5685


 71.0304, 0.3227,
0.5685


464.1597, 0.3291,
0.4512

 52.3670, 0.3177,
0.5948

 120.6770, 0.3277,
0.5277

 37.2977, 0.3097,
0.6262


 152.4290, 0.3288,
0.5118


 25.4381, 0.2966,
0.6635


 189.3127, 0.3294,
0.4980

 16.4037, 0.2773,
0.7123

 231.7124, 0.3296,
0.4861

 9.8103, 0.2416,
0.7584

 280.0126, 0.3297,
0.4757

 5.2734, 0.1879,
0.8121


334.5976, 0.3296,


 2.4085, 0.0482,


0.4665


0.9518


395.8518, 0.3294,
0.4584


 0.8303, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.0304, 0.3227,
0.5685


 71.0304, 0.3227,
0.5685


 69.9669, 0.3179,
0.5826


 72.4141, 0.3261,
0.5476


 69.4515, 0.3148,
0.5883


 74.1381, 0.3280,
0.5210


 76.2307, 0.3282,
0.4905


 78.7141, 0.3271,
0.4582

 81.6088, 0.3248,
0.4257

 84.9337, 0.3217,
0.3944

 88.7065, 0.3181,
0.3653

 92.9436, 0.3143,
0.3387

 96.2363, 0.3130,
0.3233

Harmonies

Analogous

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



71.0304, 0.4306, 0.5264



71.0304, 0.3227, 0.5685



71.0304, 0.2176, 0.4913

Triad

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



71.0304, 0.3227, 0.5685



71.0304, 0.1281, 0.1694



71.0304, 0.5053, 0.2848

Complementary

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



71.0304, 0.3227, 0.5685



18.3126, 0.2534, 0.1248

Split Complementary

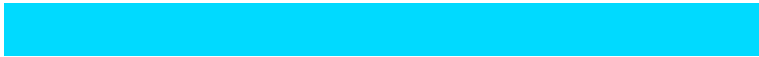
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.0304, 0.3836, 0.2197



71.0304, 0.3227, 0.5685



71.0304, 0.1719, 0.1568

Square

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



71.0304, 0.3227, 0.5685



71.0304, 0.1186, 0.2229



71.0304, 0.2577, 0.1747



71.0304, 0.5546, 0.3588

Rectangle

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



71.0304, 0.3227, 0.5685



71.0304, 0.1643, 0.3880



71.0304, 0.2577, 0.1747



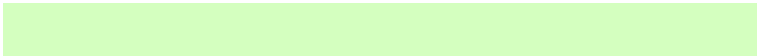
71.0304, 0.4699, 0.2617

Sweetspot

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



71.0334, 0.3227, 0.5685



89.2407, 0.3220, 0.3978



52.6741, 0.4733, 0.4481



18.8295, 0.3232, 0.4087



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.



71.0334, 0.3227, 0.5685



73.2996, 0.3147, 0.5883



68.7140, 0.2935, 0.5599



19.5790, 0.3164, 0.3532



37.2408, 0.3158, 0.5874



3.5035, 0.3247, 0.5804

Inverse Universe

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



18.3126, 0.2534, 0.1248



16.1407, 0.2399, 0.1095



26.5246, 0.3595, 0.1834



17.2296, 0.3086, 0.3053



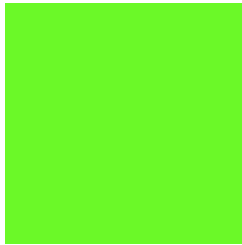
8.2702, 0.2413, 0.1103



0.8229, 0.2510, 0.1156

Previews

White Background



This preview shows how the Yxy color 71.0304, 0.3227, 0.5685 looks on a white background.

Color Contrast Check

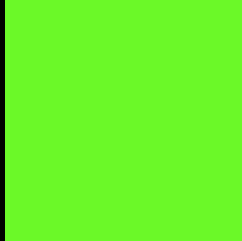
Large Text (above 18pt) WCAG AA × Fail

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 71.0304, 0.3227, 0.5685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

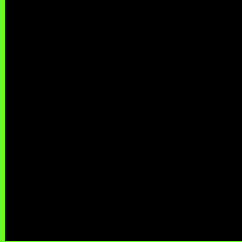
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

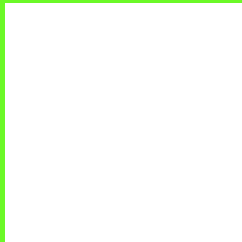
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.0304, 0.3227, 0.5685

Background



This preview shows how black text looks on a background with the Yxy color 71.0304, 0.3227, 0.5685.

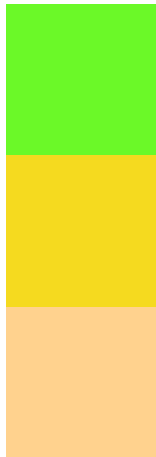


This preview shows how white text looks on a background with the Yxy color 71.0304, 0.3227, 0.5685.

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

71.0304, 0.3227, 0.5685

Protanopia

69.6542, 0.4372, 0.4835

Deuteranopia

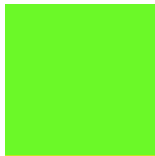
69.3062, 0.3980, 0.3988



Tritanopia

70.6351, 0.2519, 0.3078

Trichromacy



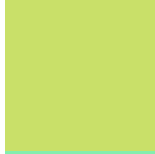
Original Color

71.0304, 0.3227, 0.5685



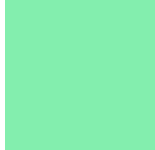
Protanomaly

67.7562, 0.3894, 0.5193



Deuteranomaly

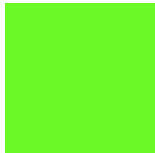
66.7487, 0.3714, 0.4652



Tritanomaly

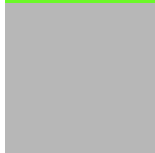
69.0304, 0.2841, 0.4122

Monochromacy



Original Color

71.0304, 0.3227, 0.5685



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.2329, 0.3251, 0.4335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0304, 0.3227, 0.5685 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(107, 249, 40)` looks like.

```
.text, #text, p{  
    color:rgb(107, 249, 40)  
}
```

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(107, 249, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 249, 40) }
```

Border

The CSS property to change the border of an element to Yxy 71.0304, 0.3227, 0.5685 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(107, 249, 40) }
```

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

```
.border{ border-color:rgb(107, 249, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 249, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 249, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 249, 40);  
box-shadow:4px 4px 4px 4px rgb(107, 249,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0304, 0.3227, 0.5685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 249, 40) }
```

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

```
.background{ background-color: rgb(107,  
249, 40) }
```

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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