

Converting Colors

Yxy(38.0421, 0.3343, 0.5159)

Have a look what the booklet for
Yxy(38.0421, 0.3343, 0.5159)
contains.

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Color

Yxy(38.0421, 0.3343, 0.5159)

Conversions

Conversions Part 1

Format	Color
Hex	6FB841
RGB	111, 184, 65
RGB Percent	44%, 72%, 25%
CMY	0.5647, 0.2784, 0.7450
CMYK	0.40, 0.00, 0.65, 0.28
HSL	97°, 48%, 49%
HSV	97°, 65%, 72%
XYZ	24.6510, 38.0421, 11.0461
YIQ	148.6070, -5.3090, -52.4850

Conversions

Conversions Part 2

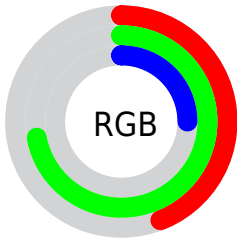
Format	Color
RYB	65, 184, 138
Decimal	7321665
CIELab	68.05, -43.43, 51.64
CIELCh	68, 67.474, 130.065
Yxy	38.0421, 0.3343, 0.5159
Android (android.graphics.Color)	4285511745 (0xFF6FB841)
YUV	148.6070, -41.2183, -32.9813
Hunter-Lab	61.6783, -36.5956, 32.5564

Details

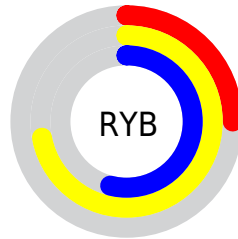
The Yxy color **38.0421, 0.3343, 0.5159** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **12.6470, 0.2617, 0.1574**, and the grayscale version is **30.0610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4341, 0.3343, 0.4780**, and **16.7797, 0.3286, 0.5765** is the 20% darker color. If you saturate the color by 10%, you get **37.1774, 0.3331, 0.5414**, and if you desaturate by 10%, it is **39.0720, 0.3338, 0.4868**.

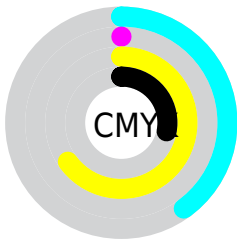
Distribution



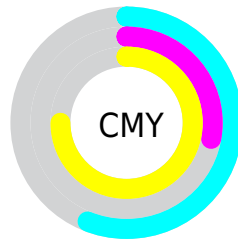
- Red (44%)
- Green (72%)
- Blue (25%)



- Red (25%)
- Yellow (72%)
- Blue (54%)



- Cyan (40%)
- Magenta (0%)
- Yellow (65%)
- Black (28%)



- Cyan (56%)
- Magenta (28%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0421, 0.3343, 0.5159 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 38.0421, 0.3343, 0.5159 by changing the saturation by 10% instead.


 38.0421, 0.3343,
0.5159


 38.0421, 0.3343,
0.5159


337.8005, 0.3294,
0.4145


 26.0154, 0.3326,
0.5426


 72.1727, 0.3345,
0.4777

 16.8351, 0.3282,
0.5770


 95.0453, 0.3339,
0.4637

 10.1170, 0.3182,
0.6217


 122.3020, 0.3332,
0.4520

 5.4766, 0.3037,
0.6963

 154.3272, 0.3324,
0.4421

 2.5295, 0.2491,
0.7509

 191.5052, 0.3316,
0.4337

 0.8914, 0.0000,
1.0000

234.2205, 0.3309,

 0.0000, 0.0000,

0.4264

0.0000

282.8575, 0.3301,
0.4201

■ 38.0421, 0.3343,
0.5159

■ 38.0421, 0.3343,
0.5159

■ 37.1774, 0.3331,
0.5414

■ 39.0720, 0.3338,
0.4868

■ 36.4626, 0.3300,
0.5618

■ 40.2717, 0.3317,
0.4560

■ 35.8872, 0.3253,
0.5761

■ 41.6512, 0.3285,
0.4249

■ 35.6262, 0.3226,
0.5820

■ 43.2185, 0.3244,
0.3948

■ 44.9810, 0.3198,
0.3664

■ 46.9455, 0.3150,
0.3403

■ 49.1187, 0.3101,
0.3167

■ 51.5068, 0.3054,
0.2955

■ 54.1159, 0.3008,
0.2766

Harmonies

Analogous

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



38.0421, 0.4232, 0.4917



38.0421, 0.3343, 0.5159



38.0421, 0.2445, 0.4583

Triad

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



38.0421, 0.3343, 0.5159



38.0421, 0.1556, 0.1993



38.0421, 0.4607, 0.2925

Complementary

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



38.0421, 0.3343, 0.5159



12.6470, 0.2617, 0.1574

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.



38.0421, 0.3640, 0.2361



38.0421, 0.3343, 0.5159



38.0421, 0.1929, 0.1844

Square

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



38.0421, 0.3343, 0.5159



38.0421, 0.1502, 0.2506



38.0421, 0.2642, 0.1980



38.0421, 0.5078, 0.3582

Rectangle

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



38.0421, 0.3343, 0.5159



38.0421, 0.1968, 0.3842



38.0421, 0.2642, 0.1980



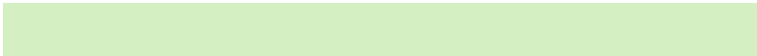
38.0421, 0.4319, 0.2722

Sweetspot

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



38.0437, 0.3343, 0.5159



80.0073, 0.3220, 0.3793



28.2956, 0.4430, 0.4237



17.0546, 0.3233, 0.3875



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.0437, 0.3343, 0.5159



66.7585, 0.3319, 0.5516



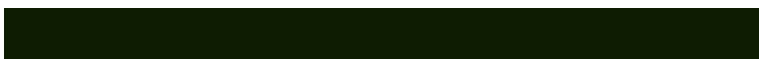
35.9408, 0.2974, 0.5175



10.2248, 0.3173, 0.3522



24.5908, 0.3235, 0.5813



0.9030, 0.3451, 0.5642

Inverse Universe

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



12.6470, 0.2617, 0.1574



17.0580, 0.2464, 0.1275



16.9553, 0.3351, 0.1951



8.9847, 0.3078, 0.3060



4.8408, 0.2273, 0.1026



0.2052, 0.2517, 0.1160

Previews

White Background



This preview shows how the Yxy color 38.0421, 0.3343, 0.5159 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 38.0421, 0.3343, 0.5159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

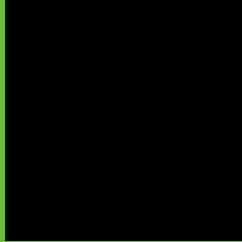
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0421, 0.3343, 0.5159

Background



This preview shows how black text looks on a background with the Yxy color 38.0421, 0.3343, 0.5159.



This preview shows how white text looks on a background with the Yxy color 38.0421, 0.3343, 0.5159.

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

38.0421, 0.3343, 0.5159

Protanopia

37.4269, 0.4193, 0.4611

Deuteranopia

37.4457, 0.4373, 0.4288



Tritanopia

37.7960, 0.2676, 0.3082

Trichromacy



Original Color

38.0421, 0.3343, 0.5159

Protanomaly

37.0209, 0.3850, 0.4827

Deuteranomaly

36.6384, 0.3964, 0.4606

Tritanomaly

37.2146, 0.2944, 0.3834

Monochromacy



Original Color

38.0421, 0.3343, 0.5159

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.2996, 0.3253, 0.4014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0421, 0.3343, 0.5159 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(111, 184, 65)` looks like.

```
.text, #text, p{  
    color:rgb(111, 184, 65)  
}
```

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(111, 184, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 184, 65) }
```

Border

The CSS property to change the border of an element to Yxy 38.0421, 0.3343, 0.5159 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(111, 184, 65) }
```

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

```
.border{ border-color:rgb(111, 184, 65) }
```

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

Here you see how a box with a 4 pixel rgb(111, 184, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 184, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 184, 65);  
box-shadow:4px 4px 4px 4px rgb(111, 184,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0421, 0.3343, 0.5159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 184, 65) }
```

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

```
.background{ background-color: rgb(111,  
184, 65) }
```

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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