

Converting Colors

$Y_{xy}(38.1539, 0.2741, 0.5067)$

Have a look what the booklet for
Yxy(38.1539, 0.2741, 0.5067)
contains.

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Color

Yxy(38.0343, 0.2742, 0.5073)

Conversions

Conversions Part 1

Format	Color
Hex	00BF5C
RGB	0, 191, 92
RGB Percent	0%, 75%, 36%
CMY	1.0000, 0.2509, 0.6392
CMYK	1.00, 0.00, 0.52, 0.25
HSL	149°, 100%, 37%
HSV	149°, 100%, 75%
XYZ	20.5579, 38.0343, 16.3818
YIQ	122.6050, -82.0570, -71.2810

Conversions

Conversions Part 2

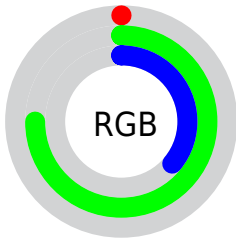
Format	Color
RYB	0, 129, 191
Decimal	48988
CIELab	68.05, -62.13, 38.53
CIELCh	68, 73.111, 148.193
Yxy	38.0343, 0.2742, 0.5073
Android (android.graphics.Color)	4278239068 (0xFF00BF5C)
YUV	122.6050, -15.0883, -107.5246
Hunter-Lab	61.6720, -48.4243, 27.4213

Details

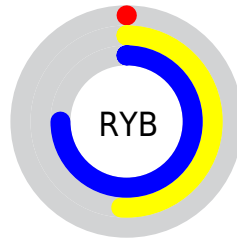
The Yxy color **38.0343, 0.2742, 0.5073** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.9789, 0.4886, 0.2465**, and the grayscale version is **19.7432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3617, 0.2847, 0.4688**, and **17.7755, 0.2870, 0.5532** is the 20% darker color. If you saturate the color by 10%, you get **38.0389, 0.2742, 0.5073**, and if you desaturate by 10%, it is **38.3630, 0.2713, 0.4888**.

Distribution



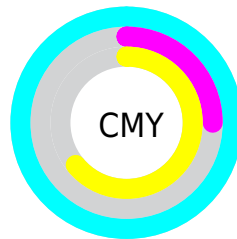
- Red (0%)
- Green (75%)
- Blue (36%)



- Red (0%)
- Yellow (51%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0343, 0.2742, 0.5073 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 38.0343, 0.2742, 0.5073 by changing the saturation by 10% instead.

 38.0343, 0.2742,
0.5073


 38.0343, 0.2742,
0.5073


337.7671, 0.2988,
0.4075

 26.0093, 0.2659,
0.5356


 72.1607, 0.2846,
0.4684


 16.8306, 0.2538,
0.5738


 95.0309, 0.2881,
0.4546

 10.1138, 0.2351,
0.6272


 122.2850, 0.2908,
0.4432

 5.4745, 0.2045,
0.7068

 154.3073, 0.2930,
0.4337

 2.5282, 0.1313,
0.8687

 191.4823, 0.2949,
0.4257

 0.8907, 0.0000,
1.0000

 234.1943, 0.2964,

 0.0000, 0.0000,

0.4187

0.0000

282.8278, 0.2977,
0.4127

■ 38.0343, 0.2742,
0.5073

■ 38.0343, 0.2742,
0.5073

■ 38.0389, 0.2742,
0.5073

■ 38.3630, 0.2713,
0.4888

■ 38.8476, 0.2700,
0.4692

■ 39.5428, 0.2706,
0.4490

■ 40.4745, 0.2731,
0.4288

■ 41.6644, 0.2773,
0.4090

■ 43.1320, 0.2829,
0.3902

■ 44.8946, 0.2895,
0.3727

■ 46.9682, 0.2969,
0.3566

■ 49.3674, 0.3047,
0.3420

Harmonies

Analogous

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



38.0343, 0.3723, 0.5291



38.0343, 0.2742, 0.5073



38.0343, 0.1918, 0.3966

Triad

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



38.0343, 0.2742, 0.5073



38.0343, 0.1654, 0.1773



38.0343, 0.5119, 0.3296

Complementary

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



38.0343, 0.2742, 0.5073



11.9789, 0.4886, 0.2465

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.



38.0343, 0.4351, 0.2638



38.0343, 0.2742, 0.5073



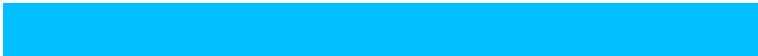
38.0343, 0.2258, 0.1808

Square

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



38.0343, 0.2742, 0.5073



38.0343, 0.1397, 0.2060



38.0343, 0.3226, 0.2111



38.0343, 0.5169, 0.4016

Rectangle

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



38.0343, 0.2742, 0.5073



38.0343, 0.1573, 0.3134



38.0343, 0.3226, 0.2111



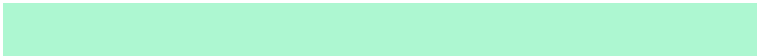
38.0343, 0.4935, 0.3068

Sweetspot

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



38.0389, 0.2742, 0.5073



80.2343, 0.2892, 0.3735



40.0836, 0.3411, 0.5674



17.3107, 0.2863, 0.3808



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.0389, 0.2742, 0.5073



68.0709, 0.2750, 0.5100



40.7540, 0.2275, 0.3390



10.7241, 0.3052, 0.3411



25.0117, 0.2736, 0.5049



0.9930, 0.2610, 0.4595

Inverse Universe

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



11.9789, 0.4886, 0.2465



21.4021, 0.4919, 0.2483



11.0917, 0.6367, 0.3281



9.6167, 0.3209, 0.3172



7.8877, 0.4857, 0.2450



0.3221, 0.4360, 0.2176

Previews

White Background



This preview shows how the Yxy color 38.0343, 0.2742, 0.5073 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 38.0343, 0.2742, 0.5073 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 38.0343, 0.2742, 0.5073

Background



This preview shows how black text looks on a background with the Yxy color 38.0343, 0.2742, 0.5073.



This preview shows how white text looks on a background with the Yxy color 38.0343, 0.2742, 0.5073.

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

38.0343, 0.2742, 0.5073

Protanopia

37.4799, 0.4017, 0.4389

Deuteranopia

37.1956, 0.4097, 0.4015



Tritanopia

37.9934, 0.2334, 0.3071

Trichromacy



Original Color

38.0343, 0.2742, 0.5073



Protanomaly

34.6570, 0.3295, 0.4754



Deuteranomaly

33.7698, 0.3323, 0.4463



Tritanomaly

37.3196, 0.2451, 0.3749

Monochromacy



Original Color

38.0343, 0.2742, 0.5073



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.9694, 0.2790, 0.4015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0343, 0.2742, 0.5073 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, 191, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 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, 191, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 92) }
```

Border

The CSS property to change the border of an element to Yxy 38.0343, 0.2742, 0.5073 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, 191, 92) }
```

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

```
.border{ border-color:rgb(0, 191, 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, 191, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 92)  
}
```


Background

The CSS property to change the background color of an element to Yxy 38.0343, 0.2742, 0.5073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 92) }
```

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

```
.background{ background-color: rgb(0, 191,  
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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