

Converting Colors

$Y_{xy}(38.3754, 0.2682, 0.4856)$

Have a look what the booklet for
Yxy(38.3754, 0.2682, 0.4856)
contains.

Yxy(38.2611, 0.2683, 0.4858)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.2611, 0.2683, 0.4858)

Conversions

Conversions Part 1

Format	Color
Hex	00BF68
RGB	0, 191, 104
RGB Percent	0%, 75%, 41%
CMY	0.9992, 0.2510, 0.5922
CMYK	1.00, 0.00, 0.46, 0.25
HSL	153°, 100%, 37%
HSV	153°, 100%, 75%
XYZ	21.1310, 38.2611, 19.3668
YIQ	123.9730, -85.9090, -67.5490

Conversions

Conversions Part 2

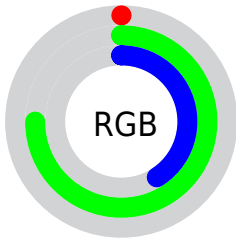
Format	Color
RYB	0, 124, 191
Decimal	49000
CIELab	68.21, -60.09, 32.72
CIELCh	68, 68.417, 151.432
Yxy	38.2611, 0.2683, 0.4858
Android (android.graphics.Color)	4278239080 (0xFF00BF68)
YUV	123.9730, -9.8467, -108.7243
Hunter-Lab	61.8556, -47.2683, 24.7353

Details

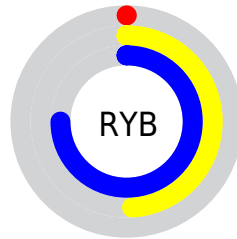
The Yxy color **38.2611, 0.2683, 0.4858** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.7721, 0.5148, 0.2610**, and the grayscale version is **20.2219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7483, 0.2793, 0.4524**, and **17.8842, 0.2797, 0.5269** is the 20% darker color. If you saturate the color by 10%, you get **38.2596, 0.2683, 0.4860**, and if you desaturate by 10%, it is **38.5891, 0.2658, 0.4689**.

Distribution



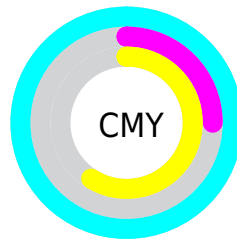
- Red (0%)
- Green (75%)
- Blue (41%)



- Red (0%)
- Yellow (49%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2611, 0.2683, 0.4858 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 38.2611, 0.2683, 0.4858 by changing the saturation by 10% instead.


 38.2611, 0.2683,
0.4858


 38.2611, 0.2683,
0.4858

338.7387, 0.2948,
0.3983

 26.1854, 0.2600,
0.5107


 72.5082, 0.2791,
0.4518


 16.9624, 0.2483,
0.5444


 95.4483, 0.2828,
0.4397


 10.2077, 0.2307,
0.5922


 122.7787, 0.2858,
0.4297

 5.5369, 0.2024,
0.6633

 154.8838, 0.2882,
0.4214

 2.5656, 0.1491,
0.8509

 192.1480, 0.2903,
0.4143

 0.9094, 0.0000,
1.0000

 234.9556, 0.2920,

 0.0000, 0.0000,

0.4082

0.0000

283.6910, 0.2935,
0.4030

■ 38.2611, 0.2683,
0.4858

■ 38.2611, 0.2683,
0.4858

■ 38.2596, 0.2683,
0.4860

■ 38.5891, 0.2658,
0.4689

■ 39.0723, 0.2648,
0.4514

■ 39.7615, 0.2659,
0.4336

■ 40.6822, 0.2689,
0.4159

■ 41.8560, 0.2737,
0.3987

■ 43.3019, 0.2799,
0.3824

■ 45.0370, 0.2872,
0.3671

■ 47.0771, 0.2953,
0.3531

■ 49.4367, 0.3039,
0.3403

Harmonies

Analogous

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



38.2611, 0.3611, 0.5182



38.2611, 0.2683, 0.4858



38.2611, 0.1928, 0.3794

Triad

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



38.2611, 0.2683, 0.4858



38.2611, 0.1775, 0.1842



38.2611, 0.5033, 0.3385

Complementary

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



38.2611, 0.2683, 0.4858



11.7721, 0.5148, 0.2610

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.



38.2611, 0.4375, 0.2743



38.2611, 0.2683, 0.4858



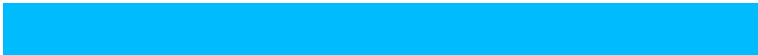
38.2611, 0.2394, 0.1901

Square

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



38.2611, 0.2683, 0.4858



38.2611, 0.1494, 0.2086



38.2611, 0.3338, 0.2218



38.2611, 0.5025, 0.4081

Rectangle

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



38.2611, 0.2683, 0.4858



38.2611, 0.1621, 0.3043



38.2611, 0.3338, 0.2218



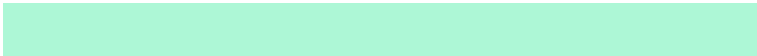
38.2611, 0.4883, 0.3163

Sweetspot

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



38.2626, 0.2683, 0.4858



80.4668, 0.2867, 0.3679



39.3980, 0.3321, 0.5745



17.3671, 0.2835, 0.3743



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.



38.2626, 0.2683, 0.4858



68.4728, 0.2690, 0.4885



38.3106, 0.2218, 0.3185



10.7341, 0.3044, 0.3397



25.1599, 0.2677, 0.4837



0.9986, 0.2564, 0.4429

Inverse Universe

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



11.7721, 0.5148, 0.2610



21.0253, 0.5187, 0.2631



11.2192, 0.6376, 0.3318



9.6068, 0.3219, 0.3186



7.7483, 0.5119, 0.2593



0.3167, 0.4546, 0.2278

Previews

White Background



This preview shows how the Yxy color 38.2611, 0.2683, 0.4858 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 38.2611, 0.2683, 0.4858 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 38.2611, 0.2683, 0.4858

Background



This preview shows how black text looks on a background with the Yxy color 38.2611, 0.2683, 0.4858.



This preview shows how white text looks on a background with the Yxy color 38.2611, 0.2683, 0.4858.

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

38.2611, 0.2683, 0.4858

Protanopia

37.5422, 0.3920, 0.4262

Deuteranopia

37.4939, 0.3968, 0.3896



Tritanopia

38.3656, 0.2325, 0.3071

Trichromacy



Original Color

38.2611, 0.2683, 0.4858



Protanomaly

34.7988, 0.3204, 0.4567



Deuteranomaly

34.2136, 0.3218, 0.4302



Tritanomaly

37.8874, 0.2425, 0.3676

Monochromacy



Original Color

38.2611, 0.2683, 0.4858



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.1264, 0.2758, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2611, 0.2683, 0.4858 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 104) }
```

Border

The CSS property to change the border of an element to Yxy 38.2611, 0.2683, 0.4858 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, 104) }
```

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

```
.border{ border-color:rgb(0, 191, 104) }
```

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, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2611, 0.2683, 0.4858 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, 104) }
```

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

```
.background{ background-color: rgb(0, 191,  
104) }
```

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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