

Converting Colors

$Y_{xy}(38.2857, 0.2705, 0.4938)$

Have a look what the booklet for
Yxy(38.2857, 0.2705, 0.4938)
contains.

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Color

Yxy(38.1817, 0.2703, 0.4931)

Conversions

Conversions Part 1

Format	Color
Hex	00BF64
RGB	0, 191, 100
RGB Percent	0%, 75%, 39%
CMY	1.0000, 0.2510, 0.6079
CMYK	1.00, 0.00, 0.48, 0.25
HSL	151°, 100%, 37%
HSV	151°, 100%, 75%
XYZ	20.9299, 38.1817, 18.3204
YIQ	123.5170, -84.6250, -68.7930

Conversions

Conversions Part 2

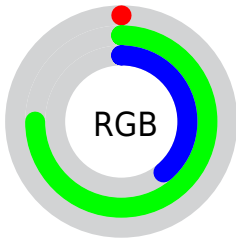
Format	Color
RYB	0, 125, 191
Decimal	48996
CIELab	68.15, -60.80, 34.68
CIELCh	68, 69.995, 150.299
Yxy	38.1817, 0.2703, 0.4931
Android (android.graphics.Color)	4278239076 (0xFF00BF64)
YUV	123.5170, -11.5939, -108.3244
Hunter-Lab	61.7913, -47.6736, 25.6752

Details

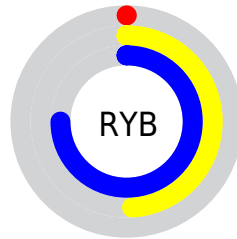
The Yxy color **38.1817, 0.2703, 0.4931** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.8326, 0.5064, 0.2563**, and the grayscale version is **20.0478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6150, 0.2811, 0.4579**, and **17.8473, 0.2821, 0.5355** is the 20% darker color. If you saturate the color by 10%, you get **38.1837, 0.2703, 0.4931**, and if you desaturate by 10%, it is **38.5094, 0.2676, 0.4756**.

Distribution



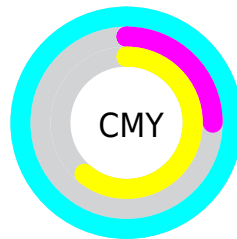
- Red (0%)
- Green (75%)
- Blue (39%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1817, 0.2703, 0.4931 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 38.1817, 0.2703, 0.4931 by changing the saturation by 10% instead.


 38.1817, 0.2703,
0.4931


 38.1817, 0.2703,
0.4931


338.3988, 0.2961,
0.4014

 26.1237, 0.2620,
0.5192


 72.3866, 0.2810,
0.4574


 16.9162, 0.2502,
0.5545


 95.3022, 0.2846,
0.4447


 10.1748, 0.2323,
0.6043


 122.6059, 0.2875,
0.4343

 5.5150, 0.2031,
0.6778

 154.6821, 0.2898,
0.4255

 2.5525, 0.1430,
0.8570

 191.9150, 0.2918,
0.4181

 0.9028, 0.0000,
1.0000

 234.6892, 0.2935,

 0.0000, 0.0000,

0.4118

0.0000

283.3890, 0.2949,
0.4063

■ 38.1817, 0.2703,
0.4931

■ 38.1817, 0.2703,
0.4931

■ 38.1837, 0.2703,
0.4931

■ 38.5094, 0.2676,
0.4756

■ 38.9923, 0.2665,
0.4574

■ 39.6825, 0.2675,
0.4388

■ 40.6057, 0.2703,
0.4202

■ 41.7834, 0.2748,
0.4022

■ 43.2349, 0.2808,
0.3850

■ 44.9773, 0.2879,
0.3690

■ 47.0265, 0.2958,
0.3543

■ 49.3970, 0.3041,
0.3410

Harmonies

Analogous

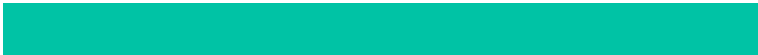
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.1817, 0.3650, 0.5221



38.1817, 0.2703, 0.4931



38.1817, 0.1924, 0.3851

Triad

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



38.1817, 0.2703, 0.4931



38.1817, 0.1733, 0.1818



38.1817, 0.5063, 0.3355

Complementary

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



38.1817, 0.2703, 0.4931



11.8326, 0.5064, 0.2563

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.



38.1817, 0.4368, 0.2707



38.1817, 0.2703, 0.4931



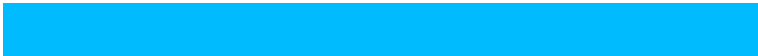
38.1817, 0.2347, 0.1869

Square

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



38.1817, 0.2703, 0.4931



38.1817, 0.1460, 0.2077



38.1817, 0.3301, 0.2181



38.1817, 0.5074, 0.4059

Rectangle

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



38.1817, 0.2703, 0.4931



38.1817, 0.1605, 0.3073



38.1817, 0.3301, 0.2181



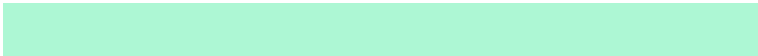
38.1817, 0.4901, 0.3131

Sweetspot

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



38.1837, 0.2703, 0.4931



80.3896, 0.2876, 0.3698



39.5556, 0.3342, 0.5728



17.3483, 0.2844, 0.3765



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.



38.1837, 0.2703, 0.4931



68.3338, 0.2710, 0.4957



39.6520, 0.2232, 0.3237



10.7308, 0.3047, 0.3401



25.1088, 0.2697, 0.4908



0.9967, 0.2579, 0.4483

Inverse Universe

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



11.8326, 0.5064, 0.2563



21.1426, 0.5099, 0.2583



11.1461, 0.6389, 0.3309



9.6100, 0.3216, 0.3181



7.7918, 0.5033, 0.2546



0.3184, 0.4484, 0.2244

Previews

White Background



This preview shows how the Yxy color 38.1817, 0.2703, 0.4931 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 38.1817, 0.2703, 0.4931 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 38.1817, 0.2703, 0.4931

Background



This preview shows how black text looks on a background with the Yxy color 38.1817, 0.2703, 0.4931.



This preview shows how white text looks on a background with the Yxy color 38.1817, 0.2703, 0.4931.

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

38.1817, 0.2703, 0.4931

Protanopia

37.4894, 0.3944, 0.4299

Deuteranopia

37.5422, 0.4016, 0.3944



Tritanopia

37.9604, 0.2322, 0.3055

Trichromacy



Original Color

38.1817, 0.2703, 0.4931



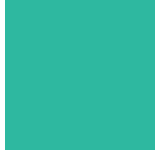
Protanomaly

34.7251, 0.3232, 0.4632



Deuteranomaly

34.2050, 0.3258, 0.4365



Tritanomaly

37.3999, 0.2432, 0.3696

Monochromacy



Original Color

38.1817, 0.2703, 0.4931



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.0799, 0.2774, 0.3950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1817, 0.2703, 0.4931 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 100) }
```

Border

The CSS property to change the border of an element to Yxy 38.1817, 0.2703, 0.4931 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, 100) }
```

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

```
.border{ border-color:rgb(0, 191, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1817, 0.2703, 0.4931 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, 100) }
```

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

```
.background{ background-color: rgb(0, 191,  
100) }
```

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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