

Converting Colors

$Y_{xy}(38.3275, 0.2692, 0.4892)$

Have a look what the booklet for
Yxy(38.3275, 0.2692, 0.4892)
contains.

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Color

Yxy(38.2209, 0.2693, 0.4895)

Conversions

Conversions Part 1

Format	Color
Hex	00BF66
RGB	0, 191, 102
RGB Percent	0%, 75%, 40%
CMY	1.0000, 0.2510, 0.6001
CMYK	1.00, 0.00, 0.47, 0.25
HSL	152°, 100%, 37%
HSV	152°, 100%, 75%
XYZ	21.0274, 38.2209, 18.8333
YIQ	123.7450, -85.2670, -68.1710

Conversions

Conversions Part 2

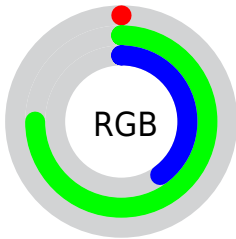
Format	Color
RYB	0, 125, 191
Decimal	48998
CIELab	68.18, -60.46, 33.71
CIELCh	68, 69.218, 150.857
Yxy	38.2209, 0.2693, 0.4895
Android (android.graphics.Color)	4278239078 (0xFF00BF66)
YUV	123.7450, -10.7203, -108.5244
Hunter-Lab	61.8231, -47.4787, 25.2145

Details

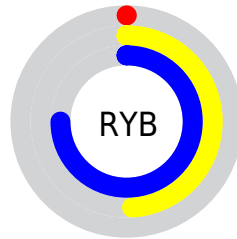
The Yxy color **38.2209, 0.2693, 0.4895** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.7988, 0.5108, 0.2588**, and the grayscale version is **20.1244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6811, 0.2802, 0.4552**, and **17.8654, 0.2809, 0.5312** is the 20% darker color. If you saturate the color by 10%, you get **38.2229, 0.2693, 0.4895**, and if you desaturate by 10%, it is **38.5486, 0.2667, 0.4723**.

Distribution



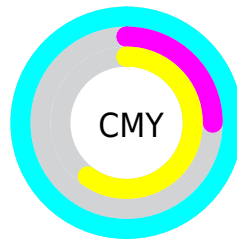
- Red (0%)
- Green (75%)
- Blue (40%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2209, 0.2693, 0.4895 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 38.2209, 0.2693, 0.4895 by changing the saturation by 10% instead.


 38.2209, 0.2693,
0.4895

 38.2209, 0.2693,
0.4895


338.5666, 0.2955,
0.3999

 26.1542, 0.2610,
0.5150


 72.4466, 0.2800,
0.4546


 16.9390, 0.2493,
0.5495


 95.3744, 0.2837,
0.4422


 10.1910, 0.2315,
0.5984


 122.6913, 0.2866,
0.4320

 5.5258, 0.2027,
0.6707

 154.7817, 0.2890,
0.4235

 2.5589, 0.1460,
0.8540

 192.0300, 0.2910,
0.4162

 0.9061, 0.0000,
1.0000

 234.8207, 0.2927,

 0.0000, 0.0000,

0.4100

0.0000

283.5381, 0.2942,
0.4046

■ 38.2209, 0.2693,
0.4895

■ 38.2209, 0.2693,
0.4895

■ 38.2229, 0.2693,
0.4895

■ 38.5486, 0.2667,
0.4723

■ 39.0308, 0.2657,
0.4545

■ 39.7194, 0.2667,
0.4363

■ 40.6402, 0.2696,
0.4181

■ 41.8146, 0.2742,
0.4005

■ 43.2619, 0.2803,
0.3838

■ 44.9992, 0.2875,
0.3681

■ 47.0422, 0.2955,
0.3537

■ 49.4056, 0.3040,
0.3407

Harmonies

Analogous

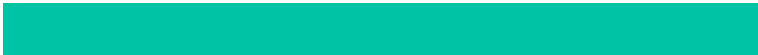
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.2209, 0.3631, 0.5202



38.2209, 0.2693, 0.4895



38.2209, 0.1926, 0.3823

Triad

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



38.2209, 0.2693, 0.4895



38.2209, 0.1754, 0.1830



38.2209, 0.5048, 0.3370

Complementary

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



38.2209, 0.2693, 0.4895



11.7988, 0.5108, 0.2588

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.



38.2209, 0.4372, 0.2725



38.2209, 0.2693, 0.4895



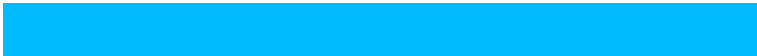
38.2209, 0.2370, 0.1885

Square

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



38.2209, 0.2693, 0.4895



38.2209, 0.1477, 0.2082



38.2209, 0.3319, 0.2200



38.2209, 0.5050, 0.4070

Rectangle

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



38.2209, 0.2693, 0.4895



38.2209, 0.1613, 0.3058



38.2209, 0.3319, 0.2200



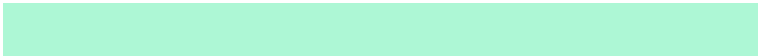
38.2209, 0.4893, 0.3147

Sweetspot

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



38.2229, 0.2693, 0.4895



80.4287, 0.2871, 0.3688



39.3946, 0.3320, 0.5746



17.3578, 0.2840, 0.3754



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.



38.2229, 0.2693, 0.4895



68.4034, 0.2700, 0.4921



38.3088, 0.2218, 0.3185



10.7325, 0.3045, 0.3399



25.1344, 0.2687, 0.4872



0.9976, 0.2571, 0.4456

Inverse Universe

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



11.7988, 0.5108, 0.2588



21.0823, 0.5144, 0.2607



11.2153, 0.6378, 0.3318



9.6084, 0.3217, 0.3184



7.7695, 0.5076, 0.2570



0.3176, 0.4515, 0.2261

Previews

White Background



This preview shows how the Yxy color 38.2209, 0.2693, 0.4895 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 38.2209, 0.2693, 0.4895 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 38.2209, 0.2693, 0.4895

Background



This preview shows how black text looks on a background with the Yxy color 38.2209, 0.2693, 0.4895.



This preview shows how white text looks on a background with the Yxy color 38.2209, 0.2693, 0.4895.

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

38.2209, 0.2693, 0.4895

Protanopia

37.5067, 0.3936, 0.4287

Deuteranopia

37.5853, 0.3997, 0.3919



Tritanopia

37.9604, 0.2322, 0.3055

Trichromacy



Original Color

38.2209, 0.2693, 0.4895



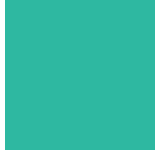
Protanomaly

34.7615, 0.3218, 0.4600



Deuteranomaly

34.2466, 0.3243, 0.4332



Tritanomaly

37.4350, 0.2427, 0.3678

Monochromacy



Original Color

38.2209, 0.2693, 0.4895



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.1030, 0.2766, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2209, 0.2693, 0.4895 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 102) }
```

Border

The CSS property to change the border of an element to Yxy 38.2209, 0.2693, 0.4895 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, 102) }
```

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

```
.border{ border-color:rgb(0, 191, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2209, 0.2693, 0.4895 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, 102) }
```

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

```
.background{ background-color: rgb(0, 191,  
102) }
```

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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