

Converting Colors

$Yxy(37.8490, 0.2885, 0.5044)$

Have a look what the booklet for
Yxy(37.8490, 0.2885, 0.5044)
contains.

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Color

Yxy(38.0160, 0.2884, 0.5042)

Conversions

Conversions Part 1

Format	Color
Hex	3ABD59
RGB	58, 189, 89
RGB Percent	23%, 74%, 35%
CMY	0.7725, 0.2588, 0.6511
CMYK	0.69, 0.00, 0.53, 0.26
HSL	134°, 53%, 48%
HSV	134°, 69%, 74%
XYZ	21.7450, 38.0160, 15.6377
YIQ	138.4310, -45.9760, -58.8720

Conversions

Conversions Part 2

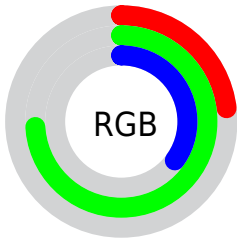
Format	Color
RYB	58, 164, 189
Decimal	3849561
CIELab	68.03, -56.40, 40.15
CIELCh	68, 69.233, 144.558
Yxy	38.0160, 0.2884, 0.5042
Android (android.graphics.Color)	4282039641 (0xFF3ABD59)
YUV	138.4310, -24.3695, -70.5380
Hunter-Lab	61.6571, -44.9473, 28.1227

Details

The Yxy color **38.0160, 0.2884, 0.5042** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **16.3154, 0.3630, 0.2066**, and the grayscale version is **25.6974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8996, 0.2960, 0.4662**, and **17.1967, 0.2881, 0.5573** is the 20% darker color. If you saturate the color by 10%, you get **37.3322, 0.2885, 0.5308**, and if you desaturate by 10%, it is **38.9583, 0.2897, 0.4758**.

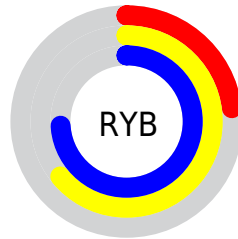
Distribution



Red (23%)

Green (74%)

Blue (35%)



Red (23%)

Yellow (64%)

Blue (74%)

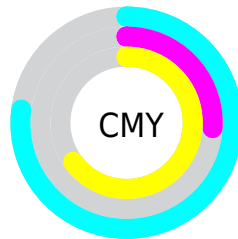


Cyan (69%)

Magenta (0%)

Yellow (53%)

Black (26%)



Cyan (77%)


Magenta (26%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0160, 0.2884, 0.5042 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 38.0160, 0.2884, 0.5042 by changing the saturation by 10% instead.


 38.0160, 0.2884,
0.5042

 38.0160, 0.2884,
0.5042


337.6886, 0.3057,
0.4066

 25.9951, 0.2819,
0.5316


 72.1327, 0.2962,
0.4664


 16.8200, 0.2721,
0.5684


 94.9972, 0.2986,
0.4529


 10.1062, 0.2562,
0.6195


 122.2451, 0.3005,
0.4417

 5.4694, 0.2300,
0.6971

 154.2608, 0.3020,
0.4324

 2.5252, 0.1709,
0.8291

 191.4285, 0.3032,
0.4245

 0.8892, 0.0000,
1.0000

234.1328, 0.3042,

 0.0000, 0.0000,

0.4177

0.0000

282.7581, 0.3050,
0.4118

■ 38.0160, 0.2884,
0.5042

■ 38.0160, 0.2884,
0.5042

■ 37.3322, 0.2885,
0.5308

■ 38.9583, 0.2897,
0.4758

■ 36.8753, 0.2900,
0.5539

■ 40.1774, 0.2921,
0.4469

■ 36.6002, 0.2925,
0.5725

■ 41.6953, 0.2955,
0.4189

■ 36.5841, 0.2927,
0.5736

■ 43.5303, 0.2995,
0.3926

■ 45.6993, 0.3039,
0.3685

■ 48.2181, 0.3085,
0.3469

■ 51.1013, 0.3130,
0.3278

■ 54.3628, 0.3175,
0.3109

■ 58.0157, 0.3217,
0.2963

Harmonies

Analogous

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



38.0160, 0.3825, 0.5159



38.0160, 0.2884, 0.5042



38.0160, 0.2058, 0.4078

Triad

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



38.0160, 0.2884, 0.5042



38.0160, 0.1667, 0.1852



38.0160, 0.4963, 0.3228

Complementary

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



38.0160, 0.2884, 0.5042



16.3154, 0.3630, 0.2066

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.



38.0160, 0.4167, 0.2600



38.0160, 0.2884, 0.5042



38.0160, 0.2210, 0.1848

Square

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



38.0160, 0.2884, 0.5042



38.0160, 0.1456, 0.2180



38.0160, 0.3099, 0.2112



38.0160, 0.5108, 0.3920

Rectangle

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



38.0160, 0.2884, 0.5042



38.0160, 0.1690, 0.3284



38.0160, 0.3099, 0.2112



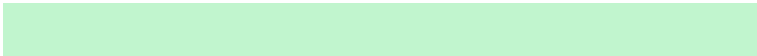
38.0160, 0.4759, 0.3009

Sweetspot

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



38.0176, 0.2884, 0.5042



81.0072, 0.3030, 0.3732



44.0161, 0.3770, 0.5007



17.1841, 0.3018, 0.3798



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.0176, 0.2884, 0.5042



66.4004, 0.2891, 0.5429



39.6321, 0.2520, 0.3874



10.6856, 0.3085, 0.3470



24.6238, 0.2921, 0.5716



0.9751, 0.2787, 0.5234

Inverse Universe

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



16.3154, 0.3630, 0.2066



25.0254, 0.3773, 0.1949



14.6350, 0.4800, 0.2870



9.6566, 0.3173, 0.3116



8.6528, 0.3905, 0.1925



0.3485, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 38.0160, 0.2884, 0.5042 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 38.0160, 0.2884, 0.5042 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 38.0160, 0.2884, 0.5042

Background



This preview shows how black text looks on a background with the Yxy color 38.0160, 0.2884, 0.5042.



This preview shows how white text looks on a background with the Yxy color 38.0160, 0.2884, 0.5042.

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

38.0160, 0.2884, 0.5042

Protanopia

37.4494, 0.4032, 0.4412

Deuteranopia

37.2564, 0.4144, 0.4059



Tritanopia

37.8707, 0.2414, 0.3073

Trichromacy



Original Color

38.0160, 0.2884, 0.5042



Protanomaly

36.2306, 0.3503, 0.4691



Deuteranomaly

35.4800, 0.3560, 0.4444



Tritanomaly

37.4847, 0.2581, 0.3740

Monochromacy



Original Color

38.0160, 0.2884, 0.5042



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.7212, 0.2995, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0160, 0.2884, 0.5042 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(58, 189, 89)` looks like.

```
.text, #text, p{  
    color:rgb(58, 189, 89)  
}
```

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(58, 189, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 189, 89) }
```

Border

The CSS property to change the border of an element to Yxy 38.0160, 0.2884, 0.5042 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(58, 189, 89) }
```

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

```
.border{ border-color:rgb(58, 189, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 189, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 189, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 189, 89);  
box-shadow:4px 4px 4px 4px rgb(58, 189,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0160, 0.2884, 0.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 189, 89) }
```

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

```
.background{ background-color: rgb(58, 189,  
89) }
```

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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