

Converting Colors

$Yxy(38.1740, 0.2883, 0.4895)$

Have a look what the booklet for
Yxy(38.1740, 0.2883, 0.4895)
contains.

Yxy(38.0043, 0.2887, 0.4895)	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(38.0043, 0.2887, 0.4895)

Conversions

Conversions Part 1

Format	Color
Hex	43BC60
RGB	67, 188, 96
RGB Percent	26%, 74%, 38%
CMY	0.7369, 0.2628, 0.6235
CMYK	0.64, 0.00, 0.49, 0.26
HSL	134°, 47%, 50%
HSV	134°, 64%, 74%
XYZ	22.4144, 38.0043, 17.2203
YIQ	141.3330, -42.5840, -54.2640

Conversions

Conversions Part 2

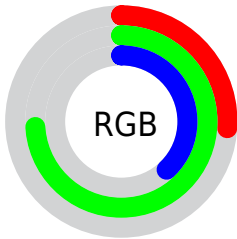
Format	Color
RYB	67, 165, 188
Decimal	4439136
CIELab	68.02, -53.26, 36.71
CIELCh	68, 64.687, 145.423
Yxy	38.0043, 0.2887, 0.4895
Android (android.graphics.Color)	4282629216 (0xFF43BC60)
YUV	141.3330, -22.3492, -65.1900
Hunter-Lab	61.6476, -42.9828, 26.5916

Details

The Yxy color **38.0043, 0.2887, 0.4895** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **17.2237, 0.3588, 0.2130**, and the grayscale version is **26.8869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0321, 0.2961, 0.4548**, and **16.9803, 0.2837, 0.5411** is the 20% darker color. If you saturate the color by 10%, you get **37.2047, 0.2881, 0.5171**, and if you desaturate by 10%, it is **39.0707, 0.2906, 0.4608**.

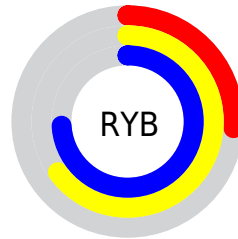
Distribution



Red (26%)

Green (74%)

Blue (38%)



Red (26%)

Yellow (65%)

Blue (74%)

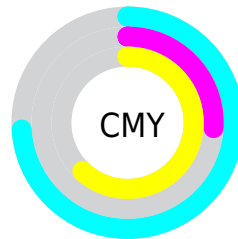


Cyan (64%)

Magenta (0%)

Yellow (49%)

Black (26%)



Cyan (74%)

Magenta (26%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0043, 0.2887, 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 38.0043, 0.2887, 0.4895 by changing the saturation by 10% instead.


 38.0043, 0.2887,
0.4895


 38.0043, 0.2887,
0.4895


337.6384, 0.3050,
0.4003


 25.9860, 0.2828,
0.5146


 72.1147, 0.2959,
0.4549


 16.8132, 0.2740,
0.5485

 94.9757, 0.2982,
0.4426


 10.1014, 0.2598,
0.5959


 122.2196, 0.3000,
0.4324

 5.4662, 0.2355,
0.6657

 154.2310, 0.3014,
0.4239

 2.5233, 0.1912,
0.8088

 191.3942, 0.3026,
0.4167

 0.8883, 0.0000,
1.0000

234.0935, 0.3036,

 0.0000, 0.0000,

0.4104

0.0000

282.7135, 0.3044,
0.4050

■ 38.0043, 0.2887,
0.4895

■ 38.0043, 0.2887,
0.4895

■ 37.2047, 0.2881,
0.5171

■ 39.0707, 0.2906,
0.4608

■ 36.6430, 0.2889,
0.5422

■ 40.4204, 0.2936,
0.4323

■ 36.2914, 0.2911,
0.5631

■ 42.0741, 0.2974,
0.4052

■ 36.1534, 0.2925,
0.5730

■ 44.0491, 0.3016,
0.3801

■ 46.3614, 0.3061,
0.3573

■ 49.0261, 0.3107,
0.3370

■ 52.0572, 0.3153,
0.3191

■ 55.4679, 0.3197,
0.3034

■ 59.2709, 0.3239,
0.2898

Harmonies

Analogous

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



38.0043, 0.3780, 0.5052



38.0043, 0.2887, 0.4895



38.0043, 0.2108, 0.3993

Triad

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



38.0043, 0.2887, 0.4895



38.0043, 0.1752, 0.1924



38.0043, 0.4859, 0.3264

Complementary

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



38.0043, 0.2887, 0.4895



17.2237, 0.3588, 0.2130

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.



38.0043, 0.4129, 0.2657



38.0043, 0.2887, 0.4895



38.0043, 0.2283, 0.1925

Square

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



38.0043, 0.2887, 0.4895



38.0043, 0.1541, 0.2235



38.0043, 0.3133, 0.2184



38.0043, 0.4989, 0.3929

Rectangle

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



38.0043, 0.2887, 0.4895



38.0043, 0.1760, 0.3264



38.0043, 0.3133, 0.2184



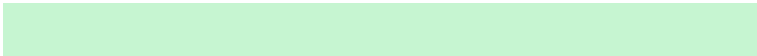
38.0043, 0.4673, 0.3053

Sweetspot

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



38.0059, 0.2887, 0.4895



81.8524, 0.3039, 0.3684



43.8225, 0.3746, 0.4907



17.3495, 0.3026, 0.3750



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.



38.0059, 0.2887, 0.4895



66.9802, 0.2883, 0.5274



39.5534, 0.2541, 0.3824



10.6860, 0.3084, 0.3469



24.6265, 0.2920, 0.5711



0.9752, 0.2785, 0.5227

Inverse Universe

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



17.2237, 0.3588, 0.2130



26.3924, 0.3721, 0.1988



15.6246, 0.4614, 0.2881



9.6562, 0.3173, 0.3117



8.6427, 0.3914, 0.1930



0.3481, 0.3712, 0.1819

Previews

White Background



This preview shows how the Yxy color 38.0043, 0.2887, 0.4895 looks on a white background.

Color Contrast Check

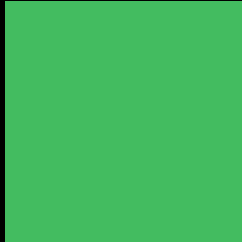
Large Text (above 18pt) WCAG AA × Fail

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 38.0043, 0.2887, 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 38.0043, 0.2887, 0.4895

Background



This preview shows how black text looks on a background with the Yxy color 38.0043, 0.2887, 0.4895.



This preview shows how white text looks on a background with the Yxy color 38.0043, 0.2887, 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

38.0043, 0.2887, 0.4895

Protanopia

37.4386, 0.3968, 0.4335

Deuteranopia

37.2555, 0.4070, 0.3978



Tritanopia

37.6829, 0.2431, 0.3059

Trichromacy



Original Color

38.0043, 0.2887, 0.4895



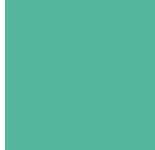
Protanomaly

36.2179, 0.3487, 0.4567



Deuteranomaly

35.5242, 0.3539, 0.4318



Tritanomaly

37.4134, 0.2597, 0.3686

Monochromacy



Original Color

38.0043, 0.2887, 0.4895



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.5118, 0.2998, 0.3869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0043, 0.2887, 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(67, 188, 96)` looks like.

```
.text, #text, p{  
    color:rgb(67, 188, 96)  
}
```

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(67, 188, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 188, 96) }
```

Border

The CSS property to change the border of an element to Yxy 38.0043, 0.2887, 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(67, 188, 96) }
```

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

```
.border{ border-color:rgb(67, 188, 96) }
```

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

Here you see how a box with a 4 pixel rgb(67, 188, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 188, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 188, 96);  
box-shadow:4px 4px 4px 4px rgb(67, 188,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0043, 0.2887, 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(67, 188, 96) }
```

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

```
.background{ background-color: rgb(67, 188,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor