

Converting Colors

$Yxy(38.2766, 0.2935, 0.5054)$

Have a look what the booklet for
Yxy(38.2766, 0.2935, 0.5054)
contains.

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Color

Yxy(38.2766, 0.2935, 0.5054)

Conversions

Conversions Part 1

Format	Color
Hex	43BD57
RGB	67, 189, 87
RGB Percent	26%, 74%, 34%
CMY	0.7375, 0.2588, 0.6589
CMYK	0.65, 0.00, 0.54, 0.26
HSL	130°, 48%, 50%
HSV	130°, 65%, 74%
XYZ	22.2283, 38.2766, 15.2304
YIQ	140.8940, -39.9700, -57.5860

Conversions

Conversions Part 2

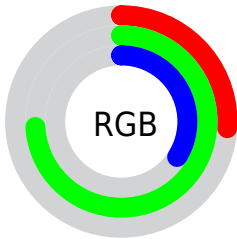
Format	Color
RYB	67, 172, 189
Decimal	4439383
CIELab	68.22, -54.98, 41.39
CIELCh	68, 68.821, 143.025
Yxy	38.2766, 0.2935, 0.5054
Android (android.graphics.Color)	4282629463 (0xFF43BD57)
YUV	140.8940, -26.5697, -64.8050
Hunter-Lab	61.8681, -44.1367, 28.7120

Details

The Yxy color **38.2766, 0.2935, 0.5054** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **17.6881, 0.3458, 0.2029**, and the grayscale version is **26.7025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3648, 0.3005, 0.4674**, and **17.1776, 0.2896, 0.5625** is the 20% darker color. If you saturate the color by 10%, you get **37.4860, 0.2929, 0.5340**, and if you desaturate by 10%, it is **39.3447, 0.2951, 0.4747**.

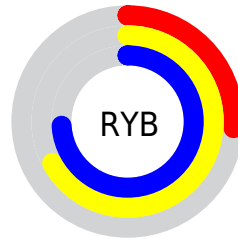
Distribution



Red (26%)

Green (74%)

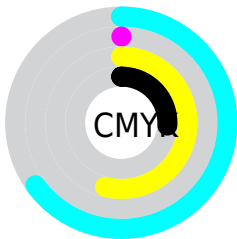
Blue (34%)



Red (26%)

Yellow (67%)

Blue (74%)

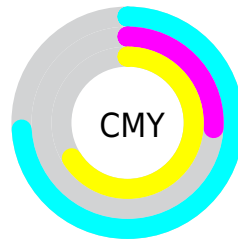


Cyan (65%)

Magenta (0%)

Yellow (54%)

Black (26%)



Cyan (74%)

Magenta (26%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2766, 0.2935, 0.5054 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 38.2766, 0.2935, 0.5054 by changing the saturation by 10% instead.


 38.2766, 0.2935,
0.5054


 38.2766, 0.2935,
0.5054


338.8050, 0.3083,
0.4074

 26.1974, 0.2876,
0.5328


 72.5319, 0.3004,
0.4675

 16.9714, 0.2785,
0.5693


 95.4768, 0.3025,
0.4540


 10.2141, 0.2635,
0.6198


 122.8124, 0.3041,
0.4428

 5.5411, 0.2388,
0.6973

 154.9232, 0.3053,
0.4334

 2.5681, 0.1830,
0.8170

 192.1934, 0.3063,
0.4254

 0.9107, 0.0000,
1.0000

235.0075, 0.3071,

 0.0000, 0.0000,

0.4186

0.0000

283.7499, 0.3077,
0.4126

■ 38.2766, 0.2935,
0.5054

■ 38.2766, 0.2935,
0.5054

■ 37.4860, 0.2929,
0.5340

■ 39.3447, 0.2951,
0.4747

■ 36.9423, 0.2935,
0.5587

■ 40.7082, 0.2975,
0.4437

■ 36.6161, 0.2951,
0.5778

■ 42.3887, 0.3006,
0.4138

■ 36.4989, 0.2960,
0.5857

■ 44.4047, 0.3040,
0.3861

■ 46.7732, 0.3075,
0.3608

■ 49.5101, 0.3111,
0.3384

■ 52.6301, 0.3146,
0.3187

■ 56.1473, 0.3179,
0.3015

■ 60.0751, 0.3210,
0.2865

Harmonies

Analogous

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



38.2766, 0.3869, 0.5130



38.2766, 0.2935, 0.5054



38.2766, 0.2101, 0.4132

Triad

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



38.2766, 0.2935, 0.5054



38.2766, 0.1657, 0.1870



38.2766, 0.4922, 0.3196

Complementary

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



38.2766, 0.2935, 0.5054



17.6881, 0.3458, 0.2029

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.



38.2766, 0.4107, 0.2576



38.2766, 0.2935, 0.5054



38.2766, 0.2180, 0.1851

Square

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



38.2766, 0.2935, 0.5054



38.2766, 0.1464, 0.2215



38.2766, 0.3047, 0.2100



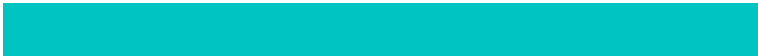
38.2766, 0.5103, 0.3883

Rectangle

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



38.2766, 0.2935, 0.5054



38.2766, 0.1722, 0.3343



38.2766, 0.3047, 0.2100



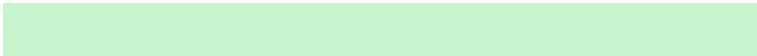
38.2766, 0.4709, 0.2980

Sweetspot

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



38.2782, 0.2935, 0.5054



81.6817, 0.3059, 0.3724



45.4279, 0.3842, 0.4857



17.3088, 0.3048, 0.3797



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.



38.2782, 0.2935, 0.5054



66.6238, 0.2931, 0.5461



39.6743, 0.2598, 0.4007



10.6745, 0.3094, 0.3487



24.5624, 0.2956, 0.5841



0.9702, 0.2845, 0.5444

Inverse Universe

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



17.6881, 0.3458, 0.2029



26.8269, 0.3551, 0.1869



15.9438, 0.4438, 0.2744



9.6686, 0.3162, 0.3100



8.9484, 0.3668, 0.1794



0.3578, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 38.2766, 0.2935, 0.5054 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 38.2766, 0.2935, 0.5054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

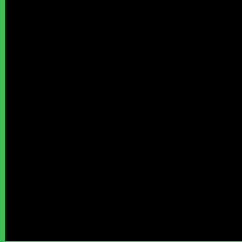
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2766, 0.2935, 0.5054

Background



This preview shows how black text looks on a background with the Yxy color 38.2766, 0.2935, 0.5054.



This preview shows how white text looks on a background with the Yxy color 38.2766, 0.2935, 0.5054.

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

38.2766, 0.2935, 0.5054

Protanopia

37.5421, 0.4058, 0.4429

Deuteranopia

37.3577, 0.4172, 0.4079



Tritanopia

38.1334, 0.2440, 0.3075

Trichromacy



Original Color

38.2766, 0.2935, 0.5054



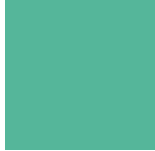
Protanomaly

36.5440, 0.3555, 0.4699



Deuteranomaly

35.8240, 0.3615, 0.4456



Tritanomaly

37.7203, 0.2618, 0.3754

Monochromacy



Original Color

38.2766, 0.2935, 0.5054



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.4116, 0.3032, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2766, 0.2935, 0.5054 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, 189, 87)` looks like.

```
.text, #text, p{  
    color:rgb(67, 189, 87)  
}
```

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, 189, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 189, 87) }
```

Border

The CSS property to change the border of an element to Yxy 38.2766, 0.2935, 0.5054 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, 189, 87) }
```

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

```
.border{ border-color:rgb(67, 189, 87) }
```

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

Here you see how a box with a 4 pixel rgb(67, 189, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 189, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 189, 87);  
box-shadow:4px 4px 4px 4px rgb(67, 189,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2766, 0.2935, 0.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 189, 87) }
```

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

```
.background{ background-color: rgb(67, 189,  
87) }
```

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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