

Converting Colors

$Yxy(35.4317, 0.3085, 0.4852)$

Have a look what the booklet for
Yxy(35.4317, 0.3085, 0.4852)
contains.

Yxy(35.2886, 0.3082, 0.4847)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.2886, 0.3082, 0.4847)

Conversions

Conversions Part 1

Format	Color
Hex	5DB359
RGB	93, 179, 89
RGB Percent	36%, 70%, 35%
CMY	0.6352, 0.2980, 0.6510
CMYK	0.48, 0.00, 0.50, 0.30
HSL	117°, 37%, 53%
HSV	117°, 50%, 70%
XYZ	22.4385, 35.2886, 15.0779
YIQ	143.0260, -22.3660, -46.2220

Conversions

Conversions Part 2

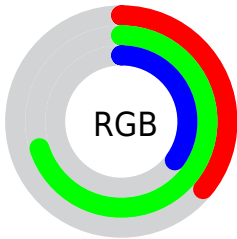
Format	Color
RYB	89, 179, 175
Decimal	6140761
CIELab	65.97, -44.31, 37.86
CIELCh	66, 58.281, 139.488
Yxy	35.2886, 0.3082, 0.4847
Android (android.graphics.Color)	4284330841 (0xFF5DB359)
YUV	143.0260, -26.6348, -43.8728
Hunter-Lab	59.4042, -36.5333, 26.5340

Details

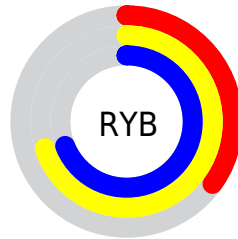
The Yxy color **35.2886, 0.3082, 0.4847** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.5096, 0.3134, 0.2081**, and the grayscale version is **27.5963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7293, 0.3118, 0.4502**, and **15.1605, 0.2988, 0.5409** is the 20% darker color. If you saturate the color by 10%, you get **34.2301, 0.3067, 0.5188**, and if you desaturate by 10%, it is **36.6227, 0.3095, 0.4496**.

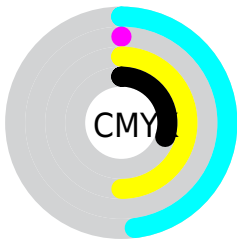
Distribution



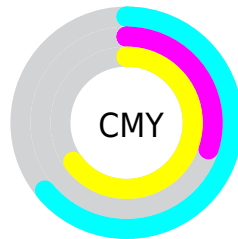
- Red (36%)
- Green (70%)
- Blue (35%)



- Red (35%)
- Yellow (70%)
- Blue (69%)



- Cyan (48%)
- Magenta (0%)
- Yellow (50%)
- Black (30%)





- Cyan (64%)
- Magenta (30%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2886, 0.3082, 0.4847 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 35.2886, 0.3082, 0.4847 by changing the saturation by 10% instead.


 35.2886, 0.3082,
0.4847


 35.2886, 0.3082,
0.4847


325.8404, 0.3144,
0.3980

 23.8853, 0.3048,
0.5092


 67.9326, 0.3117,
0.4511

 15.2485, 0.2990,
0.5421


 89.9421, 0.3126,
0.4390

 8.9940, 0.2886,
0.5881


 116.2557, 0.3132,
0.4292

 4.7373, 0.2707,
0.6617

 147.2580, 0.3136,
0.4209

 2.0939, 0.2224,
0.7776

183.3331, 0.3139,
0.4139

 0.6612, 0.0000,
1.0000


224.8657, 0.3142,


 0.0000, 0.0000,


0.4078

0.0000


272.2399, 0.3143,
0.4026


 35.2886, 0.3082,
0.4847

 35.2886, 0.3082,
0.4847


 34.2301, 0.3067,
0.5188


 36.6227, 0.3095,
0.4496


 33.4239, 0.3050,
0.5493

 38.2450, 0.3106,
0.4155


 32.8502, 0.3034,
0.5737

 40.1726, 0.3115,
0.3837

 32.4844, 0.3019,
0.5902

 42.4202, 0.3122,
0.3551

 32.2925, 0.3010,
0.5992

 45.0013, 0.3127,
0.3297

■ 47.9287, 0.3131,
0.3075

■ 51.2146, 0.3133,
0.2883

■ 54.8706, 0.3135,
0.2718

■ 58.9076, 0.3135,
0.2575

Harmonies

Analogous

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



35.2886, 0.3911, 0.4876



35.2886, 0.3082, 0.4847



35.2886, 0.2310, 0.4132

Triad

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



35.2886, 0.3082, 0.4847



35.2886, 0.1773, 0.2045



35.2886, 0.4633, 0.3160

Complementary

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



35.2886, 0.3082, 0.4847



19.5096, 0.3134, 0.2081

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.



35.2886, 0.3880, 0.2600



35.2886, 0.3082, 0.4847



35.2886, 0.2218, 0.1987

Square

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



35.2886, 0.3082, 0.4847



35.2886, 0.1632, 0.2413



35.2886, 0.2962, 0.2186



35.2886, 0.4882, 0.3785

Rectangle

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



35.2886, 0.3082, 0.4847



35.2886, 0.1934, 0.3467



35.2886, 0.2962, 0.2186



35.2886, 0.4426, 0.2963

Sweetspot

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



35.2901, 0.3082, 0.4847



73.8984, 0.3119, 0.3689



40.7711, 0.3879, 0.4439



16.1891, 0.3117, 0.3750



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.2901, 0.3082, 0.4847



61.1838, 0.3066, 0.5212



35.9625, 0.2792, 0.4143



9.5076, 0.3123, 0.3525



22.8266, 0.3012, 0.5991



0.7242, 0.3062, 0.5951

Inverse Universe

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



19.5096, 0.3134, 0.2081



29.7664, 0.3130, 0.1872



18.5770, 0.3732, 0.2588



8.6270, 0.3131, 0.3065



8.4253, 0.3099, 0.1481



0.2710, 0.3132, 0.1499

Previews

White Background



This preview shows how the Yxy color 35.2886, 0.3082, 0.4847 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 35.2886, 0.3082, 0.4847 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 35.2886, 0.3082, 0.4847

Background



This preview shows how black text looks on a background with the Yxy color 35.2886, 0.3082, 0.4847.



This preview shows how white text looks on a background with the Yxy color 35.2886, 0.3082, 0.4847.

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

35.2886, 0.3082, 0.4847

Protanopia

34.6356, 0.4006, 0.4359

Deuteranopia

34.6385, 0.4115, 0.4034



Tritanopia

35.1981, 0.2571, 0.3087

Trichromacy



Original Color

35.2886, 0.3082, 0.4847



Protanomaly

34.0393, 0.3622, 0.4544



Deuteranomaly

33.7991, 0.3694, 0.4335



Tritanomaly

35.0285, 0.2762, 0.3705

Monochromacy



Original Color

35.2886, 0.3082, 0.4847



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.5670, 0.3120, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2886, 0.3082, 0.4847 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(93, 179, 89)` looks like.

```
.text, #text, p{  
    color:rgb(93, 179, 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(93, 179, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 179, 89) }
```

Border

The CSS property to change the border of an element to Yxy 35.2886, 0.3082, 0.4847 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(93, 179, 89) }
```

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

```
.border{ border-color:rgb(93, 179, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 179, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 179, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 179, 89);  
box-shadow:4px 4px 4px 4px rgb(93, 179,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2886, 0.3082, 0.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 179, 89) }
```

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

```
.background{ background-color: rgb(93, 179,  
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](#).

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