

Converting Colors

$Y_{xy}(34.4073, 0.2882, 0.5574)$

Have a look what the booklet for
Yxy(34.4073, 0.2882, 0.5574)
contains.

Yxy(34.5764, 0.2881, 0.5572)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.5764, 0.2881, 0.5572)

Conversions

Conversions Part 1

Format	Color
Hex	00B839
RGB	0, 184, 57
RGB Percent	0%, 72%, 22%
CMY	1.0000, 0.2784, 0.7765
CMYK	1.00, 0.00, 0.69, 0.28
HSL	139°, 100%, 36%
HSV	139°, 100%, 72%
XYZ	17.8777, 34.5764, 9.5997
YIQ	114.5060, -68.8970, -78.5050

Conversions

Conversions Part 2

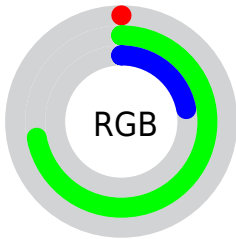
Format	Color
RYB	0, 140, 184
Decimal	47161
CIELab	65.42, -64.46, 51.36
CIELCh	65, 82.417, 141.452
Yxy	34.5764, 0.2881, 0.5572
Android (android.graphics.Color)	4278237241 (0xFF00B839)
YUV	114.5060, -28.3505, -100.4218
Hunter-Lab	58.8017, -48.6329, 31.4817

Details

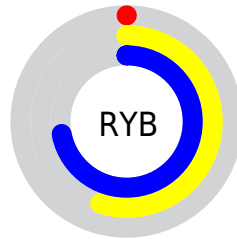
The Yxy color **34.5764, 0.2881, 0.5572** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11.7239, 0.4182, 0.2078**, and the grayscale version is **17.0903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5778, 0.2985, 0.5070**, and **15.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.5784, 0.2881, 0.5572**, and if you desaturate by 10%, it is **34.8539, 0.2852, 0.5375**.

Distribution



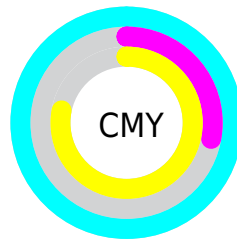
- Red (0%)
- Green (72%)
- Blue (22%)



- Red (0%)
- Yellow (55%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (28%)




- Cyan (100%)
- Magenta (28%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.5764, 0.2881, 0.5572 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 34.5764, 0.2881, 0.5572 by changing the saturation by 10% instead.


 34.5764, 0.2881,
0.5572


 34.5764, 0.2881,
0.5572


322.6946, 0.3093,
0.4279


 23.3368, 0.2787,
0.5934


 66.8290, 0.2986,
0.5070

 14.8424, 0.2638,
0.6409


 88.6108, 0.3016,
0.4890


 8.7088, 0.2392,
0.7058


 114.6754, 0.3039,
0.4742

 4.5518, 0.1987,
0.8013

 145.4072, 0.3055,
0.4619

 1.9867, 0.0240,
0.9760

 181.1906, 0.3068,
0.4514

 0.5998, 0.0000,
1.0000

 222.4101, 0.3078,

 0.0000, 0.0000,

0.4425

0.0000

269.4500, 0.3086,
0.4347

■ 34.5764, 0.2881,
0.5572

■ 34.5764, 0.2881,
0.5572

■ 34.5784, 0.2881,
0.5572

■ 34.8539, 0.2852,
0.5375

■ 35.2879, 0.2834,
0.5146

■ 35.9290, 0.2833,
0.4894

■ 36.8016, 0.2848,
0.4631

■ 37.9267, 0.2876,
0.4368

■ 39.3230, 0.2916,
0.4114

■ 41.0071, 0.2964,
0.3877

■ 42.9945, 0.3016,
0.3660

■ 45.2994, 0.3071,
0.3464

Harmonies

Analogous

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



34.5764, 0.3972, 0.5472



34.5764, 0.2881, 0.5572



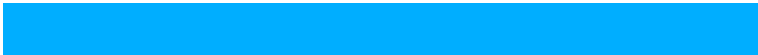
34.5764, 0.1905, 0.4429

Triad

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



34.5764, 0.2881, 0.5572



34.5764, 0.1388, 0.1625



34.5764, 0.5297, 0.3080

Complementary

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



34.5764, 0.2881, 0.5572



11.7239, 0.4182, 0.2078

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.



34.5764, 0.4257, 0.2394



34.5764, 0.2881, 0.5572



34.5764, 0.1949, 0.1602

Square

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



34.5764, 0.2881, 0.5572



34.5764, 0.1189, 0.2010



34.5764, 0.2946, 0.1869



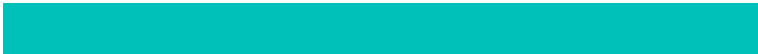
34.5764, 0.5498, 0.3840

Rectangle

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



34.5764, 0.2881, 0.5572



34.5764, 0.1470, 0.3391



34.5764, 0.2946, 0.1869



34.5764, 0.5027, 0.2841

Sweetspot

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



34.5784, 0.2881, 0.5572



74.1658, 0.2961, 0.3889



38.9349, 0.3673, 0.5466



15.7017, 0.2940, 0.3986



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



34.5784, 0.2881, 0.5572



62.6412, 0.2889, 0.5600



36.3962, 0.2428, 0.3941



10.1047, 0.3075, 0.3452



23.8410, 0.2875, 0.5550



0.8519, 0.2721, 0.4995

Inverse Universe

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



11.7239, 0.4182, 0.2078



21.2066, 0.4202, 0.2088



10.3233, 0.6074, 0.3120



9.1141, 0.3183, 0.3133



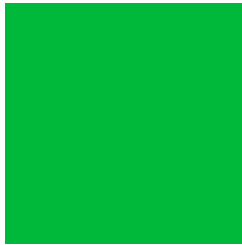
8.0926, 0.4167, 0.2069



0.2959, 0.3865, 0.1903

Previews

White Background



This preview shows how the Yxy color 34.5764, 0.2881, 0.5572 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 34.5764, 0.2881, 0.5572 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 34.5764, 0.2881, 0.5572

Background



This preview shows how black text looks on a background with the Yxy color 34.5764, 0.2881, 0.5572.



This preview shows how white text looks on a background with the Yxy color 34.5764, 0.2881, 0.5572.

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

34.5764, 0.2881, 0.5572

Protanopia

34.0311, 0.4242, 0.4667

Deuteranopia

33.8445, 0.4383, 0.4302



Tritanopia

34.5461, 0.2351, 0.3063

Trichromacy



Original Color

34.5764, 0.2881, 0.5572



Protanomaly

31.4052, 0.3488, 0.5150



Deuteranomaly

30.5074, 0.3555, 0.4888



Tritanomaly

33.5431, 0.2526, 0.3959

Monochromacy



Original Color

34.5764, 0.2881, 0.5572



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.9808, 0.2886, 0.4280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5764, 0.2881, 0.5572 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, 184, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 57)  
}
```

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, 184, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 57) }
```

Border

The CSS property to change the border of an element to Yxy 34.5764, 0.2881, 0.5572 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, 184, 57) }
```

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

```
.border{ border-color:rgb(0, 184, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 184, 57)  
}
```


Background

The CSS property to change the background color of an element to Yxy 34.5764, 0.2881, 0.5572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 57) }
```

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

```
.background{ background-color: rgb(0, 184,  
57) }
```

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