

Converting Colors

$Y_{xy}(33.5145, 0.3157, 0.5875)$

Have a look what the booklet for
Yxy(33.5145, 0.3157, 0.5875)
contains.

Yxy(33.5124, 0.3157, 0.5875)	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(33.5124, 0.3157, 0.5875)

Conversions

Conversions Part 1

Format	Color
Hex	39B400
RGB	57, 180, 0
RGB Percent	22%, 71%, 0%
CMY	0.7765, 0.2941, 0.9996
CMYK	0.68, 0.00, 1.00, 0.29
HSL	101°, 100%, 35%
HSV	101°, 100%, 71%
XYZ	18.0083, 33.5124, 5.5217
YIQ	122.7030, -15.5280, -82.0560

Conversions

Conversions Part 2

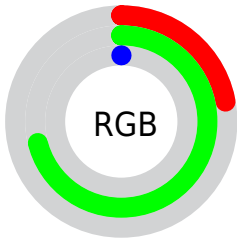
Format	Color
RYB	0, 180, 123
Decimal	3781632
CIELab	64.57, -60.12, 64.89
CIELCh	65, 88.464, 132.816
Yxy	33.5124, 0.3157, 0.5875
Android (android.graphics.Color)	4281971712 (0xFF39B400)
YUV	122.7030, -60.4926, -57.6215
Hunter-Lab	57.8899, -45.7799, 34.8677

Details

The Yxy color **33.5124, 0.3157, 0.5875** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7.5173, 0.2426, 0.1110**, and the grayscale version is **19.9141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2278, 0.3242, 0.5339**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.5116, 0.3157, 0.5876**, and if you desaturate by 10%, it is **33.9641, 0.3204, 0.5756**.

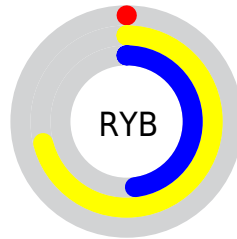
Distribution



Red (22%)

Green (71%)

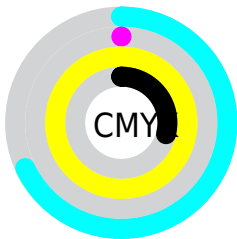
Blue (0%)



Red (0%)

Yellow (71%)

Blue (48%)

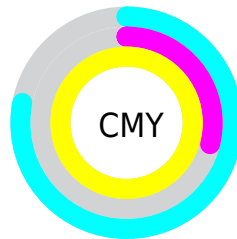


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (78%)


Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5124, 0.3157, 0.5875 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 33.5124, 0.3157, 0.5875 by changing the saturation by 10% instead.


 33.5124, 0.3157,
0.5875


 33.5124, 0.3157,
0.5875


317.9524, 0.3269,
0.4442


 22.5193, 0.3065,
0.6244


 65.1747, 0.3240,
0.5336

 14.2389, 0.2905,
0.6702


 86.6126, 0.3258,
0.5137

 8.2870, 0.2652,
0.7348


 112.3010, 0.3267,
0.4971

 4.2792, 0.2117,
0.7883

 142.6241, 0.3272,
0.4831

 1.8309, 0.0347,
0.9653

 177.9664, 0.3273,
0.4712

 0.5063, 0.0000,
1.0000

 218.7123, 0.3273,

 0.0000, 0.0000,

0.4609

0.0000

265.2461, 0.3271,
0.4520

33.5124, 0.3157,
0.5875

33.5124, 0.3157,
0.5875

33.5116, 0.3157,
0.5876

33.9641, 0.3204,
0.5756

34.5482, 0.3244,
0.5579

35.2864, 0.3269,
0.5342

36.1910, 0.3279,
0.5058

37.2727, 0.3275,
0.4747

■ 38.5413, 0.3258,
0.4426

■ 40.0058, 0.3232,
0.4112

■ 41.6745, 0.3200,
0.3814

■ 43.5553, 0.3164,
0.3538

Harmonies

Analogous

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



33.5124, 0.4297, 0.5383



33.5124, 0.3157, 0.5875



33.5124, 0.2064, 0.5014

Triad

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



33.5124, 0.3157, 0.5875



33.5124, 0.1197, 0.1592



33.5124, 0.5226, 0.2826

Complementary

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



33.5124, 0.3157, 0.5875



7.5173, 0.2426, 0.1110

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.



33.5124, 0.3926, 0.2149



33.5124, 0.3157, 0.5875



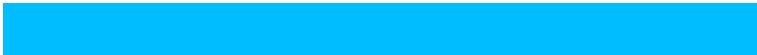
33.5124, 0.1659, 0.1480

Square

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



33.5124, 0.3157, 0.5875



33.5124, 0.1084, 0.2121



33.5124, 0.2569, 0.1674



33.5124, 0.5700, 0.3587

Rectangle

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



33.5124, 0.3157, 0.5875



33.5124, 0.1522, 0.3864



33.5124, 0.2569, 0.1674



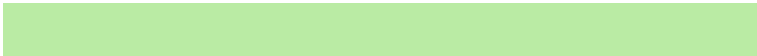
33.5124, 0.4853, 0.2587

Sweetspot

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



33.5138, 0.3157, 0.5875



72.3747, 0.3234, 0.4129



23.8783, 0.4886, 0.4502



15.3971, 0.3245, 0.4259



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.



33.5138, 0.3157, 0.5875



60.6509, 0.3146, 0.5884



32.7551, 0.2951, 0.5824



9.6161, 0.3162, 0.3522



23.4201, 0.3165, 0.5869



0.7689, 0.3397, 0.5685

Inverse Universe

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



7.5173, 0.2426, 0.1110



13.4920, 0.2413, 0.1103



11.8132, 0.3734, 0.1831



8.5093, 0.3089, 0.3062



5.2803, 0.2435, 0.1115



0.1956, 0.2659, 0.1238

Previews

White Background



This preview shows how the Yxy color 33.5124, 0.3157, 0.5875 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 33.5124, 0.3157, 0.5875 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 33.5124, 0.3157, 0.5875

Background



This preview shows how black text looks on a background with the Yxy color 33.5124, 0.3157, 0.5875.



This preview shows how white text looks on a background with the Yxy color 33.5124, 0.3157, 0.5875.

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

33.5124, 0.3157, 0.5875

Protanopia

32.8909, 0.4397, 0.4891

Deuteranopia

32.6095, 0.4606, 0.4512



Tritanopia

33.2489, 0.2448, 0.3063

Trichromacy



Original Color

33.5124, 0.3157, 0.5875



Protanomaly

31.8158, 0.3847, 0.5328



Deuteranomaly

30.8820, 0.3995, 0.5090



Tritanomaly

32.4051, 0.2816, 0.4330

Monochromacy



Original Color

33.5124, 0.3157, 0.5875



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.1492, 0.3269, 0.4589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5124, 0.3157, 0.5875 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(57, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(57, 180, 0)  
}
```

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(57, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 180, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.5124, 0.3157, 0.5875 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(57, 180, 0) }
```

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

```
.border{ border-color:rgb(57, 180, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 180, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(57, 180, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.5124, 0.3157, 0.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 180, 0) }
```

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

```
.background{ background-color: rgb(57, 180,  
0) }
```

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