

Converting Colors

$Y_{xy}(33.4505, 0.3252, 0.5800)$

Have a look what the booklet for
Yxy(33.4505, 0.3252, 0.5800)
contains.

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Color

Yxy(33.6567, 0.3252, 0.5800)

Conversions

Conversions Part 1

Format	Color
Hex	49B300
RGB	73, 179, 0
RGB Percent	29%, 70%, 0%
CMY	0.7135, 0.2980, 1.0000
CMYK	0.59, 0.00, 1.00, 0.30
HSL	96°, 100%, 35%
HSV	96°, 100%, 70%
XYZ	18.8710, 33.6567, 5.5011
YIQ	126.9000, -5.7170, -78.1410

Conversions

Conversions Part 2

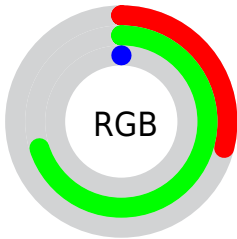
Format	Color
RYB	0, 179, 106
Decimal	4829952
CIELab	64.69, -56.11, 65.18
CIELCh	65, 86.005, 130.721
Yxy	33.6567, 0.3252, 0.5800
Android (android.graphics.Color)	4283020032 (0xFF49B300)
YUV	126.9000, -62.5617, -47.2703
Hunter-Lab	58.0144, -43.4626, 34.9880

Details

The Yxy color **33.6567, 0.3252, 0.5800** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **6.3151, 0.2216, 0.0994**, and the grayscale version is **21.4137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5810, 0.3316, 0.5287**, and **14.6672, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.6581, 0.3252, 0.5800**, and if you desaturate by 10%, it is **34.1516, 0.3302, 0.5681**.

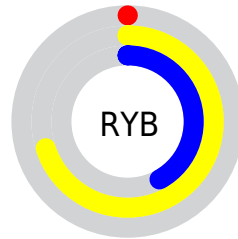
Distribution



Red (29%)

Green (70%)

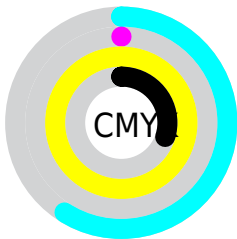
Blue (0%)



Red (0%)

Yellow (70%)

Blue (42%)

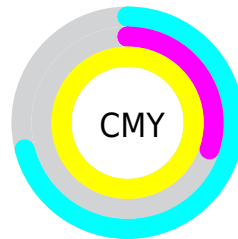


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (71%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6567, 0.3252, 0.5800 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 33.6567, 0.3252, 0.5800 by changing the saturation by 10% instead.


 33.6567, 0.3252,
0.5800


 33.6567, 0.3252,
0.5800


318.5986, 0.3311,
0.4419

 22.6300, 0.3175,
0.6151


 65.3995, 0.3315,
0.5284

 14.3205, 0.3034,
0.6585


 86.8843, 0.3325,
0.5092

 8.3439, 0.2807,
0.7193


 112.6240, 0.3329,
0.4932


 4.3158, 0.2302,
0.7698

 143.0028, 0.3328,
0.4797

 1.8517, 0.0868,
0.9132

 178.4054, 0.3325,
0.4681

 0.5191, 0.0000,
1.0000

 219.2159, 0.3321,

 0.0000, 0.0000,

0.4582

0.0000

265.8188, 0.3316,
0.4495

■ 33.6567, 0.3252,
0.5800

■ 33.6567, 0.3252,
0.5800

■ 33.6581, 0.3252,
0.5800

■ 34.1516, 0.3302,
0.5681

■ 34.7583, 0.3341,
0.5510

■ 35.4965, 0.3361,
0.5283

■ 36.3764, 0.3362,
0.5012

■ 37.4068, 0.3347,
0.4715

■ 38.5958, 0.3317,
0.4407

■ 39.9508, 0.3277,
0.4102

■ 41.4784, 0.3230,
0.3810

■ 43.1853, 0.3179,
0.3539

Harmonies

Analogous

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



33.6567, 0.4364, 0.5288



33.6567, 0.3252, 0.5800



33.6567, 0.2166, 0.5058

Triad

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



33.6567, 0.3252, 0.5800



33.6567, 0.1215, 0.1650



33.6567, 0.5098, 0.2793

Complementary

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



33.6567, 0.3252, 0.5800



6.3151, 0.2216, 0.0994

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.



33.6567, 0.3807, 0.2135



33.6567, 0.3252, 0.5800



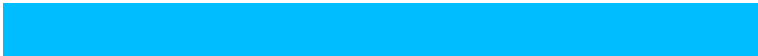
33.6567, 0.1646, 0.1513

Square

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



33.6567, 0.3252, 0.5800



33.6567, 0.1129, 0.2213



33.6567, 0.2507, 0.1684



33.6567, 0.5638, 0.3543

Rectangle

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



33.6567, 0.3252, 0.5800



33.6567, 0.1609, 0.3969



33.6567, 0.2507, 0.1684



33.6567, 0.4719, 0.2559

Sweetspot

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



33.6581, 0.3252, 0.5800



71.4222, 0.3279, 0.4117



19.5680, 0.5162, 0.4283



15.5928, 0.3296, 0.4243



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.



33.6581, 0.3252, 0.5800



60.1589, 0.3241, 0.5809



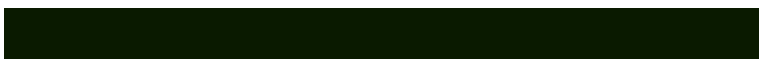
32.2737, 0.2984, 0.5943



9.6538, 0.3176, 0.3521



23.8211, 0.3260, 0.5793



0.7840, 0.3495, 0.5607

Inverse Universe

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



6.3151, 0.2216, 0.0994



11.1761, 0.2201, 0.0986



12.2667, 0.3430, 0.1663



8.4703, 0.3075, 0.3061



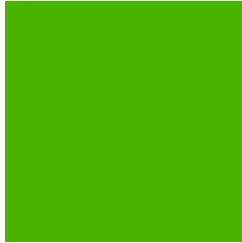
4.5014, 0.2227, 0.1000



0.1747, 0.2503, 0.1152

Previews

White Background



This preview shows how the Yxy color 33.6567, 0.3252, 0.5800 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 33.6567, 0.3252, 0.5800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

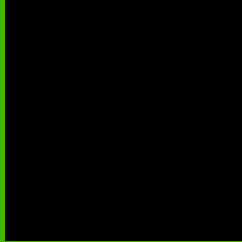
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6567, 0.3252, 0.5800

Background



This preview shows how black text looks on a background with the Yxy color 33.6567, 0.3252, 0.5800.



This preview shows how white text looks on a background with the Yxy color 33.6567, 0.3252, 0.5800.

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

33.6567, 0.3252, 0.5800

Protanopia

33.0070, 0.4407, 0.4883

Deuteranopia

33.0491, 0.4609, 0.4522



Tritanopia

33.3925, 0.2511, 0.3065

Trichromacy



Original Color

33.6567, 0.3252, 0.5800



Protanomaly

32.0399, 0.3929, 0.5262



Deuteranomaly

31.4415, 0.4061, 0.5042



Tritanomaly

32.5878, 0.2894, 0.4293

Monochromacy



Original Color

33.6567, 0.3252, 0.5800



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.2776, 0.3324, 0.4526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6567, 0.3252, 0.5800 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(73, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 179, 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(73, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.6567, 0.3252, 0.5800 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(73, 179, 0) }
```

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

```
.border{ border-color:rgb(73, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 179, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.6567, 0.3252, 0.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 179, 0) }
```

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

```
.background{ background-color: rgb(73, 179,  
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](#).

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