

Converting Colors

$Y_{xy}(33.7359, 0.4159, 0.5080)$

Have a look what the booklet for
Yxy(33.7359, 0.4159, 0.5080)
contains.

Yxy(33.6680, 0.4162, 0.5078)	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(33.6680, 0.4162, 0.5078)

Conversions

Conversions Part 1

Format	Color
Hex	A0A300
RGB	160, 163, 0
RGB Percent	63%, 64%, 0%
CMY	0.3725, 0.3608, 1.0000
CMYK	0.02, 0.00, 1.00, 0.36
HSL	61°, 100%, 32%
HSV	61°, 100%, 64%
XYZ	27.5948, 33.6680, 5.0389
YIQ	143.5210, 50.5350, -51.3290

Conversions

Conversions Part 2

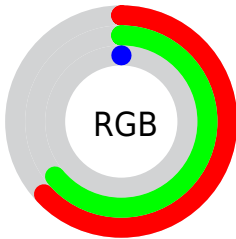
Format	Color
RYB	0, 163, 3
Decimal	10527488
CIELab	64.70, -16.76, 67.33
CIELCh	65, 69.384, 103.976
Yxy	33.6680, 0.4162, 0.5078
Android (android.graphics.Color)	4288717568 (0xFFA0A300)
YUV	143.5210, -70.7559, 14.4521
Hunter-Lab	58.0241, -16.6523, 35.4680

Details

The Yxy color **33.6680, 0.4162, 0.5078** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.6638, 0.1507, 0.0604**, and the grayscale version is **27.9633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5562, 0.4027, 0.4778**, and **14.5314, 0.4074, 0.5147** is the 20% darker color. If you saturate the color by 10%, you get **33.6699, 0.4162, 0.5078**, and if you desaturate by 10%, it is **33.7392, 0.4139, 0.5032**.

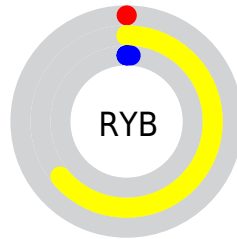
Distribution



Red (63%)

Green (64%)

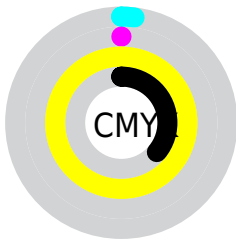
Blue (0%)



Red (0%)

Yellow (64%)

Blue (1%)

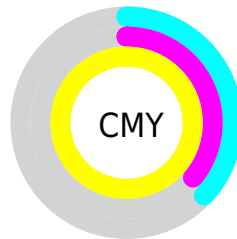


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (37%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6680, 0.4162, 0.5078 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 33.6680, 0.4162, 0.5078 by changing the saturation by 10% instead.


 33.6680, 0.4162,
0.5078


 33.6680, 0.4162,
0.5078


318.6491, 0.3717,
0.4190


 22.6387, 0.4222,
0.5264


 65.4170, 0.4033,
0.4775


 14.3269, 0.4266,
0.5474


 86.9056, 0.3973,
0.4653

 8.3484, 0.4280,
0.5720


 112.6492, 0.3919,
0.4548

 4.3187, 0.4129,
0.5871

 143.0325, 0.3870,
0.4457

 1.8534, 0.3877,
0.6123

 178.4397, 0.3825,
0.4378

 0.5201, 0.1409,
0.8591

 219.2553, 0.3785,

 0.0000, 0.0000,

0.4307

0.0000

265.8636, 0.3749,
0.4245

33.6680, 0.4162,
0.5078

33.6680, 0.4162,
0.5078

33.6699, 0.4162,
0.5078

33.7392, 0.4139,
0.5032

33.8394, 0.4098,
0.4955

33.9838, 0.4031,
0.4836

34.1781, 0.3940,
0.4676

34.4269, 0.3828,
0.4482

■ 34.7347, 0.3699,
0.4261

■ 35.1052, 0.3560,
0.4023

■ 35.5419, 0.3415,
0.3777

■ 36.0482, 0.3269,
0.3530

Harmonies

Analogous

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



33.6680, 0.4918, 0.4405



33.6680, 0.4162, 0.5078



33.6680, 0.3207, 0.5278

Triad

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



33.6680, 0.4162, 0.5078



33.6680, 0.1404, 0.2351



33.6680, 0.3819, 0.2374

Complementary

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



33.6680, 0.4162, 0.5078



2.6638, 0.1507, 0.0604

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.



33.6680, 0.2732, 0.1948



33.6680, 0.4162, 0.5078



33.6680, 0.1506, 0.1877

Square

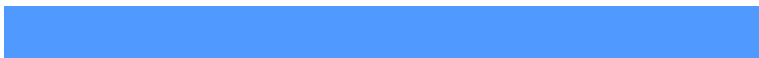
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.6680, 0.4162, 0.5078



33.6680, 0.1645, 0.3300



33.6680, 0.1936, 0.1769



33.6680, 0.4814, 0.2979

Rectangle

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



33.6680, 0.4162, 0.5078



33.6680, 0.2570, 0.4891



33.6680, 0.1936, 0.1769



33.6680, 0.3441, 0.2208

Sweetspot

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



33.6699, 0.4162, 0.5078



62.8278, 0.3568, 0.4037



7.8459, 0.6387, 0.3311



14.0485, 0.3625, 0.4134



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.6699, 0.4162, 0.5078



60.2872, 0.4161, 0.5078



27.8487, 0.3350, 0.5722



8.2306, 0.3259, 0.3512



26.1689, 0.4162, 0.5077



0.5518, 0.4174, 0.5068

Inverse Universe

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



2.6638, 0.1507, 0.0604



4.7609, 0.1505, 0.0603



4.5394, 0.2065, 0.0911



6.8659, 0.2989, 0.3058



2.0724, 0.1508, 0.0604



0.0453, 0.1543, 0.0624

Previews

White Background



This preview shows how the Yxy color 33.6680, 0.4162, 0.5078 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 33.6680, 0.4162, 0.5078 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 33.6680, 0.4162, 0.5078

Background



This preview shows how black text looks on a background with the Yxy color 33.6680, 0.4162, 0.5078.



This preview shows how white text looks on a background with the Yxy color 33.6680, 0.4162, 0.5078.

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

33.6680, 0.4162, 0.5078

Protanopia

33.4611, 0.4406, 0.4884

Deuteranopia

33.5708, 0.4662, 0.4575



Tritanopia

33.4355, 0.3216, 0.3119

Trichromacy



Original Color

33.6680, 0.4162, 0.5078

Protanomaly

33.4542, 0.4321, 0.4951

Deuteranomaly

33.3390, 0.4486, 0.4761

Tritanomaly

32.6577, 0.3740, 0.4051

Monochromacy



Original Color

33.6680, 0.4162, 0.5078

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.3900, 0.3684, 0.4234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6680, 0.4162, 0.5078 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(160, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 163, 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(160, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.6680, 0.4162, 0.5078 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(160, 163, 0) }
```

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

```
.border{ border-color:rgb(160, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(160, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 163,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6680, 0.4162, 0.5078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 163, 0) }
```

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

```
.background{ background-color: rgb(160,  
163, 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