

Converting Colors

$Y_{xy}(33.4993, 0.4010, 0.5198)$

Have a look what the booklet for
Yxy(33.4993, 0.4010, 0.5198)
contains.

Yxy(33.5683, 0.4005, 0.5202)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.5683, 0.4005, 0.5202)

Conversions

Conversions Part 1

Format	Color
Hex	94A600
RGB	148, 166, 0
RGB Percent	58%, 65%, 0%
CMY	0.4198, 0.3490, 0.9999
CMYK	0.11, 0.00, 1.00, 0.35
HSL	67°, 100%, 33%
HSV	67°, 100%, 65%
XYZ	25.8441, 33.5683, 5.1172
YIQ	141.6940, 42.5580, -55.4420

Conversions

Conversions Part 2

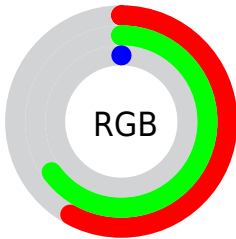
Format	Color
RYB	0, 166, 18
Decimal	9741824
CIELab	64.62, -23.57, 66.82
CIELCh	65, 70.857, 109.428
Yxy	33.5683, 0.4005, 0.5202
Android (android.graphics.Color)	4287931904 (0xFF94A600)
YUV	141.6940, -69.8551, 5.5304
Hunter-Lab	57.9382, -21.7694, 35.3201

Details

The Yxy color **33.5683, 0.4005, 0.5202** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.8832, 0.1542, 0.0623**, and the grayscale version is **27.1909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3427, 0.3912, 0.4861**, and **14.3099, 0.3870, 0.5309** is the 20% darker color. If you saturate the color by 10%, you get **33.5697, 0.4005, 0.5202**, and if you desaturate by 10%, it is **33.7787, 0.3999, 0.5141**.

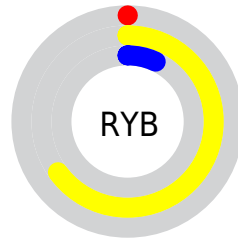
Distribution



Red (58%)

Green (65%)

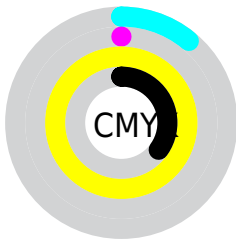
Blue (0%)



Red (0%)

Yellow (65%)

Blue (7%)

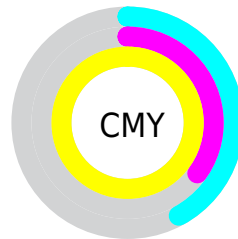


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (42%)


Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5683, 0.4005, 0.5202 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 33.5683, 0.4005, 0.5202 by changing the saturation by 10% instead.


 33.5683, 0.4005,
0.5202


 33.5683, 0.4005,
0.5202


318.2028, 0.3645,
0.4229


 22.5622, 0.4042,
0.5416


 65.2618, 0.3908,
0.4862


 14.2705, 0.4055,
0.5665


 86.7179, 0.3860,
0.4728


 8.3091, 0.4028,
0.5972


 112.4261, 0.3816,
0.4614

 4.2933, 0.3812,
0.6188

 142.7709, 0.3775,
0.4515

 1.8390, 0.3450,
0.6550

 178.1365, 0.3738,
0.4429

 0.5113, 0.0000,
1.0000

 218.9075, 0.3704,

 0.0000, 0.0000,

0.4354

0.0000

265.4681, 0.3673,
0.4288

33.5683, 0.4005,
0.5202

33.5683, 0.4005,
0.5202

33.5697, 0.4005,
0.5202

33.7787, 0.3999,
0.5141

34.0227, 0.3973,
0.5047

34.3153, 0.3922,
0.4909

34.6624, 0.3847,
0.4731

35.0692, 0.3751,
0.4519

■ 35.5401, 0.3638,
0.4285

■ 36.0790, 0.3515,
0.4036

■ 36.6898, 0.3385,
0.3782

■ 37.3758, 0.3255,
0.3531

Harmonies

Analogous

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



33.5683, 0.4832, 0.4553



33.5683, 0.4005, 0.5202



33.5683, 0.3021, 0.5266

Triad

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



33.5683, 0.4005, 0.5202



33.5683, 0.1370, 0.2209



33.5683, 0.4042, 0.2458

Complementary

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



33.5683, 0.4005, 0.5202



2.8832, 0.1542, 0.0623

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.



33.5683, 0.2908, 0.1986



33.5683, 0.4005, 0.5202



33.5683, 0.1533, 0.1808

Square

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



33.5683, 0.4005, 0.5202



33.5683, 0.1544, 0.3084



33.5683, 0.2033, 0.1757



33.5683, 0.4981, 0.3092

Rectangle

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



33.5683, 0.4005, 0.5202



33.5683, 0.2391, 0.4749



33.5683, 0.2033, 0.1757



33.5683, 0.3657, 0.2278

Sweetspot

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



33.5698, 0.4005, 0.5202



65.4095, 0.3522, 0.4050



8.4975, 0.6313, 0.3369



14.5459, 0.3573, 0.4152



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.5698, 0.4005, 0.5202



60.8582, 0.4001, 0.5205



28.4501, 0.3247, 0.5804



8.7318, 0.3246, 0.3514



26.0393, 0.4007, 0.5201



0.6449, 0.4073, 0.5148

Inverse Universe

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



2.8832, 0.1542, 0.0623



5.1857, 0.1534, 0.0619



5.4414, 0.2239, 0.1007



7.3381, 0.3002, 0.3058



2.2458, 0.1546, 0.0625



0.0663, 0.1734, 0.0729

Previews

White Background



This preview shows how the Yxy color 33.5683, 0.4005, 0.5202 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 33.5683, 0.4005, 0.5202 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 33.5683, 0.4005, 0.5202

Background



This preview shows how black text looks on a background with the Yxy color 33.5683, 0.4005, 0.5202.



This preview shows how white text looks on a background with the Yxy color 33.5683, 0.4005, 0.5202.

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

33.5683, 0.4005, 0.5202

Protanopia

33.4611, 0.4406, 0.4884

Deuteranopia

33.1340, 0.4655, 0.4559



Tritanopia

33.3380, 0.3077, 0.3114

Trichromacy



Original Color

33.5683, 0.4005, 0.5202

Protanomaly

33.2486, 0.4257, 0.5002

Deuteranomaly

33.0701, 0.4419, 0.4804

Tritanomaly

32.5622, 0.3589, 0.4095

Monochromacy



Original Color

33.5683, 0.4005, 0.5202

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.8007, 0.3635, 0.4288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5683, 0.4005, 0.5202 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(148, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 166, 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(148, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 166, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.5683, 0.4005, 0.5202 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(148, 166, 0) }
```

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

```
.border{ border-color:rgb(148, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 166,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5683, 0.4005, 0.5202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 166, 0) }
```

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

```
.background{ background-color: rgb(148,  
166, 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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