

Converting Colors

$Y_{xy}(34.4689, 0.4000, 0.5560)$

Have a look what the booklet for
Yxy(34.4689, 0.4000, 0.5560)
contains.

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Color

Yxy(34.6148, 0.3868, 0.5311)

Conversions

Conversions Part 1

Format	Color
Hex	8BAB00
RGB	139, 171, 0
RGB Percent	55%, 67%, 0%
CMY	0.4549, 0.3294, 1.0000
CMYK	0.19, 0.00, 1.00, 0.33
HSL	71°, 100%, 34%
HSV	71°, 100%, 67%
XYZ	25.2100, 34.6148, 5.3509
YIQ	141.9380, 35.8190, -59.9650

Conversions

Conversions Part 2

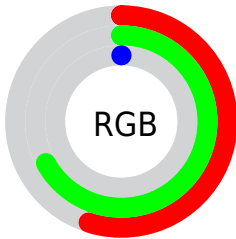
Format	Color
RYB	0, 171, 32
Decimal	9153280
CIELab	65.45, -29.81, 67.17
CIELCh	65, 73.489, 113.935
Yxy	34.6148, 0.3868, 0.5311
Android (android.graphics.Color)	4287343360 (0xFF8BAB00)
YUV	141.9380, -69.9754, -2.5766
Hunter-Lab	58.8343, -26.4746, 35.7917

Details

The Yxy color **34.6148, 0.3868, 0.5311** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.2476, 0.1592, 0.0650**, and the grayscale version is **27.2969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6503, 0.3800, 0.4940**, and **15.0785, 0.3701, 0.5443** is the 20% darker color. If you saturate the color by 10%, you get **34.6165, 0.3868, 0.5311**, and if you desaturate by 10%, it is **34.9368, 0.3876, 0.5237**.

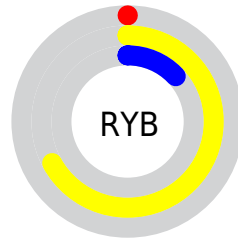
Distribution



Red (55%)

Green (67%)

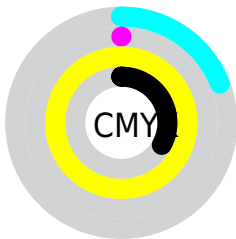
Blue (0%)



Red (0%)

Yellow (67%)

Blue (13%)

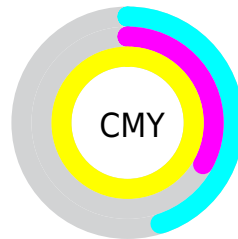


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (45%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6148, 0.3868, 0.5311 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 34.6148, 0.3868, 0.5311 by changing the saturation by 10% instead.

 34.6148, 0.3868,
0.5311


 34.6148, 0.3868,
0.5311


322.8648, 0.3586,
0.4269


 23.3663, 0.3885,
0.5547

 66.8886, 0.3800,
0.4942

 14.8642, 0.3869,
0.5824


 88.6827, 0.3763,
0.4799

 8.7241, 0.3813,
0.6187


 114.7608, 0.3728,
0.4677

 4.5617, 0.3547,
0.6453

 145.5072, 0.3695,
0.4571

 1.9925, 0.3109,
0.6891

 181.3065, 0.3664,
0.4480

 0.6031, 0.0000,
1.0000

 222.5429, 0.3636,

 0.0000, 0.0000,

0.4401

0.0000

269.6009, 0.3610,
0.4331

34.6148, 0.3868,
0.5311

34.6148, 0.3868,
0.5311

34.6165, 0.3868,
0.5311

34.9368, 0.3876,
0.5237

35.3004, 0.3864,
0.5128

35.7214, 0.3827,
0.4973

36.2061, 0.3766,
0.4779

36.7603, 0.3684,
0.4554

■ 37.3886, 0.3586,
0.4306

■ 38.0955, 0.3476,
0.4048

■ 38.8851, 0.3360,
0.3788

■ 39.7609, 0.3243,
0.3533

Harmonies

Analogous

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



34.6148, 0.4754, 0.4684



34.6148, 0.3868, 0.5311



34.6148, 0.2860, 0.5247

Triad

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



34.6148, 0.3868, 0.5311



34.6148, 0.1341, 0.2093



34.6148, 0.4237, 0.2528

Complementary

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



34.6148, 0.3868, 0.5311



3.2476, 0.1592, 0.0650

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.



34.6148, 0.3065, 0.2018



34.6148, 0.3868, 0.5311



34.6148, 0.1555, 0.1750

Square

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



34.6148, 0.3868, 0.5311



34.6148, 0.1460, 0.2905



34.6148, 0.2118, 0.1745



34.6148, 0.5119, 0.3186

Rectangle

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



34.6148, 0.3868, 0.5311



34.6148, 0.2238, 0.4618



34.6148, 0.2118, 0.1745



34.6148, 0.3848, 0.2336

Sweetspot

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



34.6165, 0.3868, 0.5311



68.1521, 0.3482, 0.4062



9.6569, 0.6198, 0.3461



15.0794, 0.3528, 0.4168



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.6165, 0.3868, 0.5311



61.9055, 0.3862, 0.5315



29.9161, 0.3160, 0.5873



9.2533, 0.3235, 0.3516



26.1154, 0.3871, 0.5308



0.7458, 0.3975, 0.5226

Inverse Universe

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



3.2476, 0.1592, 0.0650



5.7481, 0.1580, 0.0644



6.7122, 0.2427, 0.1111



7.8267, 0.3013, 0.3058



2.4657, 0.1598, 0.0654



0.0894, 0.1871, 0.0804

Previews

White Background



This preview shows how the Yxy color 34.6148, 0.3868, 0.5311 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 34.6148, 0.3868, 0.5311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

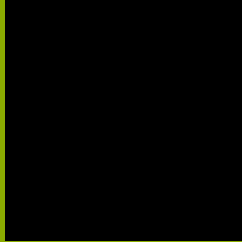
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6148, 0.3868, 0.5311

Background



This preview shows how black text looks on a background with the Yxy color 34.6148, 0.3868, 0.5311.



This preview shows how white text looks on a background with the Yxy color 34.6148, 0.3868, 0.5311.

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

34.6148, 0.3868, 0.5311

Protanopia

34.3800, 0.4404, 0.4886

Deuteranopia

34.1858, 0.4653, 0.4550



Tritanopia

34.5471, 0.2958, 0.3099

Trichromacy



Original Color

34.6148, 0.3868, 0.5311

Protanomaly

34.0869, 0.4204, 0.5044

Deuteranomaly

33.9657, 0.4372, 0.4837

Tritanomaly

33.5944, 0.3460, 0.4140

Monochromacy



Original Color

34.6148, 0.3868, 0.5311

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

29.1834, 0.3592, 0.4328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6148, 0.3868, 0.5311 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(139, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 171, 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(139, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.6148, 0.3868, 0.5311 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(139, 171, 0) }
```

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

```
.border{ border-color:rgb(139, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 171,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6148, 0.3868, 0.5311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 171, 0) }
```

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

```
.background{ background-color: rgb(139,  
171, 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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