

Converting Colors

$Y_{xy}(34.9825, 0.4107, 0.5121)$

Have a look what the booklet for
Yxy(34.9825, 0.4107, 0.5121)
contains.

Yxy(35.0084, 0.4111, 0.5118)	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(35.0084, 0.4111, 0.5118)

Conversions

Conversions Part 1

Format	Color
Hex	9FA700
RGB	159, 167, 0
RGB Percent	62%, 65%, 0%
CMY	0.3764, 0.3451, 1.0000
CMYK	0.05, 0.00, 1.00, 0.35
HSL	63°, 100%, 33%
HSV	63°, 100%, 65%
XYZ	28.1203, 35.0084, 5.2738
YIQ	145.5700, 48.8390, -53.6330

Conversions

Conversions Part 2

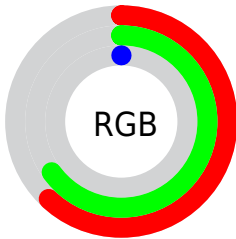
Format	Color
RYB	0, 167, 8
Decimal	10462976
CIELab	65.76, -19.22, 68.05
CIELCh	66, 70.716, 105.775
Yxy	35.0084, 0.4111, 0.5118
Android (android.graphics.Color)	4288653056 (0xFF9FA700)
YUV	145.5700, -71.7660, 11.7781
Hunter-Lab	59.1679, -18.7095, 36.1328

Details

The Yxy color **35.0084, 0.4111, 0.5118** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.8414, 0.1517, 0.0609**, and the grayscale version is **28.8460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5161, 0.3989, 0.4806**, and **15.1450, 0.4019, 0.5191** is the 20% darker color. If you saturate the color by 10%, you get **35.0101, 0.4111, 0.5118**, and if you desaturate by 10%, it is **35.1314, 0.4094, 0.5068**.

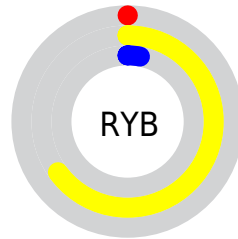
Distribution



Red (62%)

Green (65%)

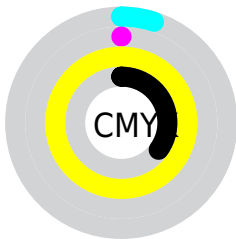
Blue (0%)



Red (0%)

Yellow (65%)

Blue (3%)

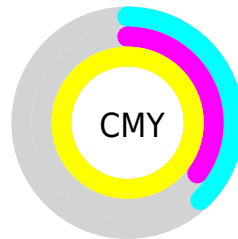


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (38%)


Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0084, 0.4111, 0.5118 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 35.0084, 0.4111, 0.5118 by changing the saturation by 10% instead.


 35.0084, 0.4111,
0.5118


 35.0084, 0.4111,
0.5118


324.6054, 0.3697,
0.4209

 23.6693, 0.4163,
0.5310


 67.4988, 0.3994,
0.4806


 15.0885, 0.4195,
0.5527


 89.4189, 0.3938,
0.4682

 8.8815, 0.4204,
0.5796


 115.6348, 0.3888,
0.4575

 4.6640, 0.4038,
0.5962

 146.5310, 0.3842,
0.4482

 2.0515, 0.3764,
0.6236

 182.4917, 0.3800,
0.4400

 0.6371, 0.1762,
0.8238

 223.9014, 0.3762,

 0.0000, 0.0000,

0.4329

0.0000

271.1445, 0.3728,
0.4265

35.0084, 0.4111,
0.5118

35.0084, 0.4111,
0.5118

35.0101, 0.4111,
0.5118

35.1314, 0.4094,
0.5068

35.2863, 0.4058,
0.4986

35.4882, 0.3997,
0.4861

35.7433, 0.3911,
0.4696

36.0567, 0.3804,
0.4496

■ 36.4328, 0.3680,
0.4270

■ 36.8758, 0.3546,
0.4028

■ 37.3894, 0.3406,
0.3779

■ 37.9770, 0.3265,
0.3531

Harmonies

Analogous

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



35.0084, 0.4890, 0.4453



35.0084, 0.4111, 0.5118



35.0084, 0.3147, 0.5275

Triad

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



35.0084, 0.4111, 0.5118



35.0084, 0.1393, 0.2304



35.0084, 0.3891, 0.2402

Complementary

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



35.0084, 0.4111, 0.5118



2.8414, 0.1517, 0.0609

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.



35.0084, 0.2788, 0.1960



35.0084, 0.4111, 0.5118



35.0084, 0.1515, 0.1855

Square

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



35.0084, 0.4111, 0.5118



35.0084, 0.1612, 0.3229



35.0084, 0.1968, 0.1765



35.0084, 0.4869, 0.3016

Rectangle

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



35.0084, 0.4111, 0.5118



35.0084, 0.2512, 0.4846



35.0084, 0.1968, 0.1765



35.0084, 0.3510, 0.2231

Sweetspot

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



35.0101, 0.4111, 0.5118



65.9977, 0.3553, 0.4042



8.3361, 0.6373, 0.3321



14.6943, 0.3609, 0.4141



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.



35.0101, 0.4111, 0.5118



62.6762, 0.4109, 0.5119



29.2535, 0.3327, 0.5740



8.7553, 0.3255, 0.3514



26.7970, 0.4112, 0.5117



0.6573, 0.4140, 0.5094

Inverse Universe

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



2.8414, 0.1517, 0.0609



5.0635, 0.1512, 0.0607



4.9170, 0.2097, 0.0929



7.3170, 0.2993, 0.3057



2.1805, 0.1519, 0.0611



0.0582, 0.1606, 0.0658

Previews

White Background



This preview shows how the Yxy color 35.0084, 0.4111, 0.5118 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 35.0084, 0.4111, 0.5118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

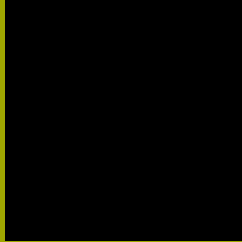
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0084, 0.4111, 0.5118

Background



This preview shows how black text looks on a background with the Yxy color 35.0084, 0.4111, 0.5118.

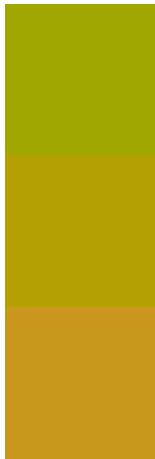


This preview shows how white text looks on a background with the Yxy color 35.0084, 0.4111, 0.5118.

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

35.0084, 0.4111, 0.5118

Protanopia

34.8449, 0.4402, 0.4886

Deuteranopia

34.6299, 0.4661, 0.4566



Tritanopia

34.8906, 0.3174, 0.3121

Trichromacy



Original Color

35.0084, 0.4111, 0.5118

Protanomaly

34.9650, 0.4287, 0.4978

Deuteranomaly

34.5935, 0.4470, 0.4771

Tritanomaly

34.0524, 0.3702, 0.4075

Monochromacy



Original Color

35.0084, 0.4111, 0.5118

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.4808, 0.3671, 0.4255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0084, 0.4111, 0.5118 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(159, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 167, 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(159, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 167, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.0084, 0.4111, 0.5118 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(159, 167, 0) }
```

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

```
.border{ border-color:rgb(159, 167, 0) }
```

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

Here you see how a box with a 4 pixel rgb(159, 167, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 167,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0084, 0.4111, 0.5118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 167, 0) }
```

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

```
.background{ background-color: rgb(159,  
167, 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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