

Converting Colors

$Yxy(35.7834, 0.3877, 0.5304)$

Have a look what the booklet for
Yxy(35.7834, 0.3877, 0.5304)
contains.

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Color

Yxy(35.6379, 0.3881, 0.5300)

Conversions

Conversions Part 1

Format	Color
Hex	8EAD00
RGB	142, 173, 0
RGB Percent	56%, 68%, 0%
CMY	0.4432, 0.3215, 0.9994
CMYK	0.18, 0.00, 1.00, 0.32
HSL	71°, 100%, 34%
HSV	71°, 100%, 68%
XYZ	26.0964, 35.6379, 5.5071
YIQ	144.0090, 37.0570, -60.3750

Conversions

Conversions Part 2

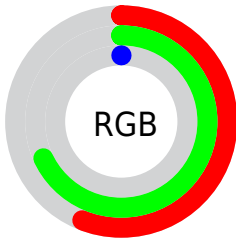
Format	Color
RYB	0, 173, 31
Decimal	9350400
CIELab	66.24, -29.52, 67.83
CIELCh	66, 73.978, 113.516
Yxy	35.6379, 0.3881, 0.5300
Android (android.graphics.Color)	4287540480 (0xFF8EAD00)
YUV	144.0090, -70.9964, -1.7619
Hunter-Lab	59.6975, -26.4405, 36.3188

Details

The Yxy color **35.6379, 0.3881, 0.5300** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.3147, 0.1586, 0.0648**, and the grayscale version is **28.1800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1507, 0.3812, 0.4939**, and **15.6532, 0.3708, 0.5438** is the 20% darker color. If you saturate the color by 10%, you get **35.6369, 0.3881, 0.5301**, and if you desaturate by 10%, it is **35.9596, 0.3888, 0.5228**.

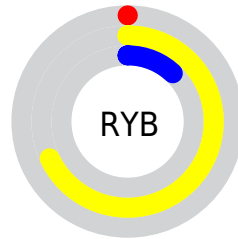
Distribution



Red (56%)

Green (68%)

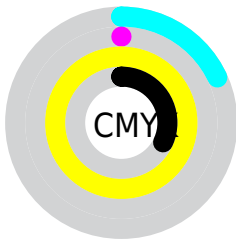
Blue (0%)



Red (0%)

Yellow (68%)

Blue (12%)

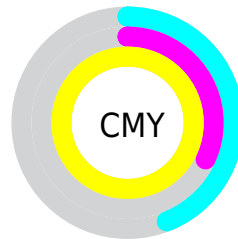


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (44%)

Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6379, 0.3881, 0.5300 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 35.6379, 0.3881, 0.5300 by changing the saturation by 10% instead.


 35.6379, 0.3881,
0.5300


 35.6379, 0.3881,
0.5300


327.3751, 0.3594,
0.4270


 24.1547, 0.3900,
0.5532


 68.4728, 0.3811,
0.4937

 15.4484, 0.3887,
0.5801


 90.5933, 0.3774,
0.4796


 9.1347, 0.3841,
0.6159


 117.0283, 0.3738,
0.4675

 4.8291, 0.3586,
0.6414

 148.1622, 0.3704,
0.4571

 2.1474, 0.3171,
0.6829

 184.3795, 0.3673,
0.4481

 0.6911, 0.0000,
1.0000

 226.0644, 0.3644,

 0.0000, 0.0000,

0.4402

0.0000

273.6015, 0.3618,
0.4332

35.6379, 0.3881,
0.5300

35.6379, 0.3881,
0.5300

35.6369, 0.3881,
0.5301

35.9596, 0.3888,
0.5228

36.3238, 0.3875,
0.5120

36.7464, 0.3837,
0.4967

37.2339, 0.3774,
0.4774

37.7920, 0.3690,
0.4550

■ 38.4258, 0.3590,
0.4303

■ 39.1397, 0.3479,
0.4045

■ 39.9379, 0.3362,
0.3785

■ 40.8241, 0.3243,
0.3531

Harmonies

Analogous

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



35.6379, 0.4761, 0.4671



35.6379, 0.3881, 0.5300



35.6379, 0.2875, 0.5249

Triad

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



35.6379, 0.3881, 0.5300



35.6379, 0.1344, 0.2104



35.6379, 0.4218, 0.2522

Complementary

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



35.6379, 0.3881, 0.5300



3.3147, 0.1586, 0.0648

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.



35.6379, 0.3050, 0.2015



35.6379, 0.3881, 0.5300



35.6379, 0.1553, 0.1756

Square

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



35.6379, 0.3881, 0.5300



35.6379, 0.1468, 0.2922



35.6379, 0.2110, 0.1746



35.6379, 0.5106, 0.3177

Rectangle

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



35.6379, 0.3881, 0.5300



35.6379, 0.2252, 0.4630



35.6379, 0.2110, 0.1746



35.6379, 0.3829, 0.2331

Sweetspot

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



35.6395, 0.3881, 0.5300



70.0074, 0.3486, 0.4061



9.7621, 0.6225, 0.3438



15.0980, 0.3532, 0.4167



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.



35.6395, 0.3881, 0.5300



63.7310, 0.3875, 0.5305



30.7835, 0.3175, 0.5860



9.2564, 0.3236, 0.3516



26.2001, 0.3884, 0.5298



0.7475, 0.3984, 0.5219

Inverse Universe

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



3.3147, 0.1586, 0.0648



5.8604, 0.1574, 0.0641



6.6918, 0.2388, 0.1090



7.8238, 0.3012, 0.3058



2.4497, 0.1592, 0.0651



0.0882, 0.1856, 0.0796

Previews

White Background



This preview shows how the Yxy color 35.6379, 0.3881, 0.5300 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 35.6379, 0.3881, 0.5300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

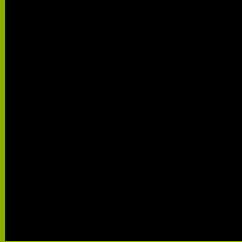
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6379, 0.3881, 0.5300

Background



This preview shows how black text looks on a background with the Yxy color 35.6379, 0.3881, 0.5300.

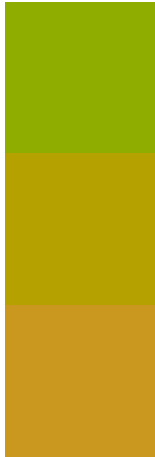


This preview shows how white text looks on a background with the Yxy color 35.6379, 0.3881, 0.5300.

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

35.6379, 0.3881, 0.5300

Protanopia

35.3135, 0.4401, 0.4887

Deuteranopia

35.2519, 0.4655, 0.4545



Tritanopia

35.6137, 0.2969, 0.3101

Trichromacy



Original Color

35.6379, 0.3881, 0.5300

Protanomaly

35.1258, 0.4214, 0.5036

Deuteranomaly

35.0159, 0.4379, 0.4829

Tritanomaly

34.6373, 0.3466, 0.4128

Monochromacy



Original Color

35.6379, 0.3881, 0.5300

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

30.0550, 0.3587, 0.4315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6379, 0.3881, 0.5300 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(142, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 173, 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(142, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 173, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.6379, 0.3881, 0.5300 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(142, 173, 0) }
```

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

```
.border{ border-color:rgb(142, 173, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 173, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 173,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6379, 0.3881, 0.5300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 173, 0) }
```

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

```
.background{ background-color: rgb(142,  
173, 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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