

Converting Colors

$Y_{xy}(35.6349, 0.4193, 0.5566)$

Have a look what the booklet for
Yxy(35.6349, 0.4193, 0.5566)
contains.

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Color

Yxy(35.8012, 0.4000, 0.5206)

Conversions

Conversions Part 1

Format	Color
Hex	98AB00
RGB	152, 171, 0
RGB Percent	60%, 67%, 0%
CMY	0.4040, 0.3294, 1.0000
CMYK	0.11, 0.00, 1.00, 0.33
HSL	67°, 100%, 34%
HSV	67°, 100%, 67%
XYZ	27.5076, 35.8012, 5.4603
YIQ	145.8250, 43.5670, -57.2090

Conversions

Conversions Part 2

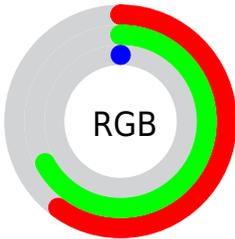
Format	Color
RYB	0, 171, 19
Decimal	10005248
CIELab	66.37, -24.30, 68.26
CIELCh	66, 72.457, 109.597
Yxy	35.8012, 0.4000, 0.5206
Android (android.graphics.Color)	4288195328 (0xFF98AB00)
YUV	145.8250, -71.8917, 5.4155
Hunter-Lab	59.8341, -22.6475, 36.4733

Details

The Yxy color **35.8012, 0.4000, 0.5206** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.0798, 0.1542, 0.0623**, and the grayscale version is **28.9553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6162, 0.3910, 0.4871**, and **15.6804, 0.3868, 0.5311** is the 20% darker color. If you saturate the color by 10%, you get **35.8027, 0.4000, 0.5206**, and if you desaturate by 10%, it is **36.0288, 0.3995, 0.5146**.

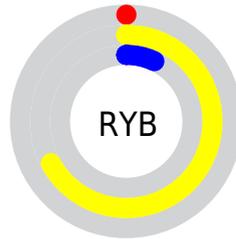
Distribution



Red (60%)

Green (67%)

Blue (0%)



Red (0%)

Yellow (67%)

Blue (7%)

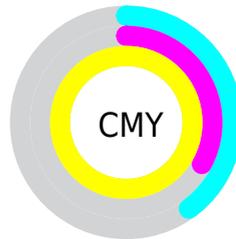


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (40%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8012, 0.4000, 0.5206 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 35.8012, 0.4000, 0.5206 by changing the saturation by 10% instead.

 35.8012, 0.4000,
0.5206

 35.8012, 0.4000,
0.5206

328.0908, 0.3648,
0.4241

 24.2807, 0.4036,
0.5416

 68.7251, 0.3906,
0.4871

 15.5420, 0.4046,
0.5657

 90.8973, 0.3859,
0.4739

 9.2006, 0.4031,
0.5969

 117.3889, 0.3816,
0.4625

 4.8723, 0.3824,
0.6176

 148.5842, 0.3776,
0.4527

 2.1725, 0.3487,
0.6513

 184.8676, 0.3739,
0.4441

 0.7049, 0.0982,
0.9018

 226.6236, 0.3706,

 0.0000, 0.0000,

0.4366

0.0000

274.2365, 0.3676,
0.4300

35.8012, 0.4000,
0.5206

35.8012, 0.4000,
0.5206

35.8027, 0.4000,
0.5206

36.0288, 0.3995,
0.5146

36.2929, 0.3970,
0.5051

36.6091, 0.3920,
0.4913

36.9838, 0.3845,
0.4735

37.4226, 0.3750,
0.4523

■ 37.9303, 0.3638,
0.4288

■ 38.5110, 0.3514,
0.4038

■ 39.1690, 0.3385,
0.3783

■ 39.9077, 0.3255,
0.3532

Harmonies

Analogous

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



35.8012, 0.4829, 0.4558



35.8012, 0.4000, 0.5206



35.8012, 0.3015, 0.5266

Triad

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



35.8012, 0.4000, 0.5206



35.8012, 0.1369, 0.2205



35.8012, 0.4049, 0.2461

Complementary

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



35.8012, 0.4000, 0.5206



3.0798, 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.



35.8012, 0.2914, 0.1987



35.8012, 0.4000, 0.5206



35.8012, 0.1534, 0.1806

Square

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



35.8012, 0.4000, 0.5206



35.8012, 0.1541, 0.3077



35.8012, 0.2036, 0.1756



35.8012, 0.4986, 0.3095

Rectangle

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



35.8012, 0.4000, 0.5206



35.8012, 0.2385, 0.4744



35.8012, 0.2036, 0.1756



35.8012, 0.3663, 0.2280

Sweetspot

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



35.8028, 0.4000, 0.5206



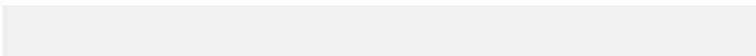
68.9016, 0.3521, 0.4051



9.0635, 0.6316, 0.3367



15.2674, 0.3572, 0.4155



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.



35.8028, 0.4000, 0.5206



64.0529, 0.3996, 0.5209



30.3741, 0.3245, 0.5805



9.2843, 0.3246, 0.3515



27.0000, 0.4002, 0.5204



0.7637, 0.4064, 0.5155

Inverse Universe

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



3.0798, 0.1542, 0.0623



5.4688, 0.1534, 0.0619



5.8015, 0.2237, 0.1006



7.7983, 0.3002, 0.3057



2.3334, 0.1547, 0.0626



0.0782, 0.1727, 0.0725

Previews

White Background



This preview shows how the Yxy color 35.8012, 0.4000, 0.5206 looks on a white background.

Color Contrast Check

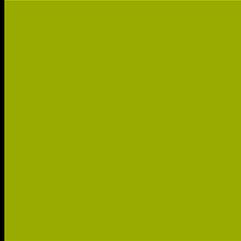
Large Text (above 18pt) WCAG AA × Fail

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 35.8012, 0.4000, 0.5206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

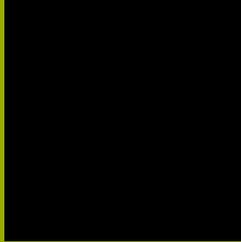
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8012, 0.4000, 0.5206

Background



This preview shows how black text looks on a background with the Yxy color 35.8012, 0.4000, 0.5206.



This preview shows how white text looks on a background with the Yxy color 35.8012, 0.4000, 0.5206.

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

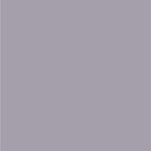
35.8012, 0.4000, 0.5206

Protanopia

35.7857, 0.4400, 0.4888

Deuteranopia

35.5677, 0.4651, 0.4564



Tritanopia

35.7359, 0.3078, 0.3119

Trichromacy



Original Color

35.8012, 0.4000, 0.5206

Protanomaly

35.5682, 0.4255, 0.5003

Deuteranomaly

35.3756, 0.4414, 0.4812

Tritanomaly

34.7721, 0.3584, 0.4105

Monochromacy



Original Color

35.8012, 0.4000, 0.5206

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.5289, 0.3633, 0.4280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8012, 0.4000, 0.5206 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(152, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 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(152, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.8012, 0.4000, 0.5206 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(152, 171, 0) }
```

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

```
.border{ border-color:rgb(152, 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(152, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 171,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 35.8012, 0.4000, 0.5206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 171, 0) }
```

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

```
.background{ background-color: rgb(152,  
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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