

Converting Colors

$Y_{xy}(35.9430, 0.4047, 0.5134)$

Have a look what the booklet for
Yxy(35.9430, 0.4047, 0.5134)
contains.

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Color

Yxy(35.9395, 0.4047, 0.5134)

Conversions

Conversions Part 1

Format	Color
Hex	9DAA0A
RGB	157, 170, 10
RGB Percent	62%, 67%, 4%
CMY	0.3844, 0.3333, 0.9604
CMYK	0.08, 0.00, 0.94, 0.33
HSL	65°, 89%, 35%
HSV	65°, 94%, 67%
XYZ	28.3302, 35.9395, 5.7332
YIQ	147.8730, 43.6120, -52.5160

Conversions

Conversions Part 2

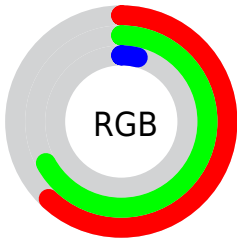
Format	Color
RYB	10, 170, 23
Decimal	10332682
CIELab	66.47, -21.49, 67.23
CIELCh	66, 70.586, 107.729
Yxy	35.9395, 0.4047, 0.5134
Android (android.graphics.Color)	4288522762 (0xFF9DAA0A)
YUV	147.8730, -67.9714, 8.0044
Hunter-Lab	59.9496, -20.5585, 36.2945

Details

The Yxy color **35.9395, 0.4047, 0.5134** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.3056, 0.1567, 0.0671**, and the grayscale version is **29.8373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8767, 0.3939, 0.4810**, and **15.7236, 0.3951, 0.5245** is the 20% darker color. If you saturate the color by 10%, you get **35.8365, 0.4052, 0.5165**, and if you desaturate by 10%, it is **36.1388, 0.4027, 0.5062**.

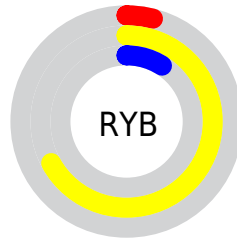
Distribution



Red (62%)

Green (67%)

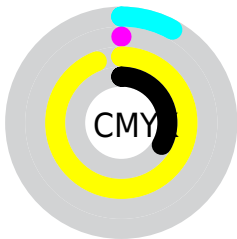
Blue (4%)



Red (4%)

Yellow (67%)

Blue (9%)

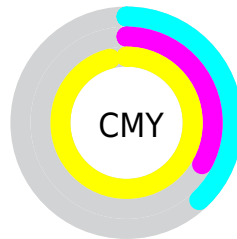


Cyan (8%)

Magenta (0%)

Yellow (94%)

Black (33%)



Cyan (38%)


Magenta (33%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9395, 0.4047, 0.5134 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 35.9395, 0.4047, 0.5134 by changing the saturation by 10% instead.


 35.9395, 0.4047,
0.5134


 35.9395, 0.4047,
0.5134


328.6960, 0.3665,
0.4210


 24.3875, 0.4094,
0.5334


 68.9387, 0.3940,
0.4814

 15.6213, 0.4118,
0.5561


 91.1546, 0.3889,
0.4688


 9.2566, 0.4133,
0.5867


 117.6940, 0.3842,
0.4579

 4.9089, 0.3952,
0.6048

 148.9412, 0.3799,
0.4485

 2.1939, 0.3656,
0.6344

 185.2806, 0.3761,
0.4403

 0.7167, 0.1792,
0.8208

 227.0966, 0.3725,

 0.0000, 0.0000,

0.4331

0.0000

274.7736, 0.3694,
0.4267

■ 35.9395, 0.4047,
0.5134

■ 35.9395, 0.4047,
0.5134

■ 35.8365, 0.4052,
0.5165

■ 36.1388, 0.4027,
0.5062

■ 36.3837, 0.3982,
0.4948

■ 36.6825, 0.3911,
0.4791

■ 37.0410, 0.3819,
0.4598

■ 37.4642, 0.3707,
0.4376

■ 37.9565, 0.3582,
0.4135

■ 38.5219, 0.3450,
0.3884

■ 39.1642, 0.3315,
0.3633

■ 39.8868, 0.3181,
0.3387

Harmonies

Analogous

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



35.9395, 0.4837, 0.4495



35.9395, 0.4047, 0.5134



35.9395, 0.3086, 0.5231

Triad

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



35.9395, 0.4047, 0.5134



35.9395, 0.1405, 0.2272



35.9395, 0.3957, 0.2446

Complementary

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



35.9395, 0.4047, 0.5134



3.3056, 0.1567, 0.0671

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.



35.9395, 0.2858, 0.1993



35.9395, 0.4047, 0.5134



35.9395, 0.1546, 0.1851

Square

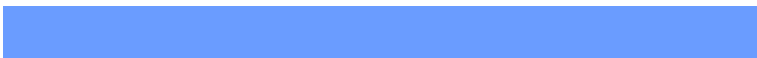
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.9395, 0.4047, 0.5134



35.9395, 0.1600, 0.3157



35.9395, 0.2020, 0.1782



35.9395, 0.4896, 0.3064

Rectangle

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



35.9395, 0.4047, 0.5134



35.9395, 0.2462, 0.4763



35.9395, 0.2020, 0.1782



35.9395, 0.3581, 0.2271

Sweetspot

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



35.9412, 0.4047, 0.5134



69.4102, 0.3509, 0.3996



9.0969, 0.6224, 0.3350



15.3845, 0.3565, 0.4102



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.



35.9412, 0.4047, 0.5134



64.9659, 0.4049, 0.5167



30.4552, 0.3314, 0.5705



8.7422, 0.3250, 0.3514



26.3691, 0.4054, 0.5163



0.6504, 0.4103, 0.5124

Inverse Universe

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



3.3056, 0.1567, 0.0671



5.3954, 0.1522, 0.0612



5.8721, 0.2225, 0.1029



7.3287, 0.2998, 0.3058



2.2136, 0.1533, 0.0618



0.0627, 0.1678, 0.0698

Previews

White Background



This preview shows how the Yxy color 35.9395, 0.4047, 0.5134 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 35.9395, 0.4047, 0.5134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

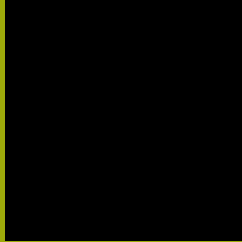
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9395, 0.4047, 0.5134

Background



This preview shows how black text looks on a background with the Yxy color 35.9395, 0.4047, 0.5134.



This preview shows how white text looks on a background with the Yxy color 35.9395, 0.4047, 0.5134.

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

35.9395, 0.4047, 0.5134

Deuteranopia

35.7085, 0.4660, 0.4557

Tritanopia

35.7910, 0.3125, 0.3121

Trichromacy



Original Color

35.9395, 0.4047, 0.5134

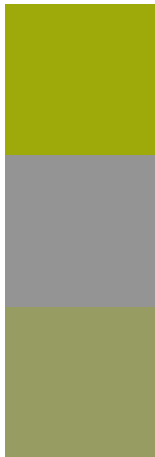
Deuteranomaly

35.4190, 0.4446, 0.4766

Tritanomaly

35.0098, 0.3613, 0.4033

Monochromacy



Original Color

35.9395, 0.4047, 0.5134

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.2381, 0.3616, 0.4206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9395, 0.4047, 0.5134 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(157, 170, 10)` looks like.

```
.text, #text, p{  
    color:rgb(157, 170, 10)  
}
```

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(157, 170, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 170, 10) }
```

Border

The CSS property to change the border of an element to Yxy 35.9395, 0.4047, 0.5134 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(157, 170, 10) }
```

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

```
.border{ border-color:rgb(157, 170, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 170, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 170, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 170, 10);  
box-shadow:4px 4px 4px 4px rgb(157, 170,  
10) }
```

Background

The CSS property to change the background color of an element to Yxy 35.9395, 0.4047, 0.5134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 170, 10) }
```

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

```
.background{ background-color: rgb(157,  
170, 10) }
```

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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