

Converting Colors

$Y_{xy}(34.7329, 0.3787, 0.4610)$

Have a look what the booklet for
Yxy(34.7329, 0.3787, 0.4610)
contains.

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Color

Yxy(34.8622, 0.3791, 0.4613)

Conversions

Conversions Part 1

Format	Color
Hex	9CA64C
RGB	156, 166, 76
RGB Percent	61%, 65%, 30%
CMY	0.3883, 0.3490, 0.7018
CMYK	0.06, 0.00, 0.54, 0.35
HSL	67°, 37%, 47%
HSV	67°, 54%, 65%
XYZ	28.6500, 34.8622, 12.0616
YIQ	152.7500, 22.9300, -30.1100

Conversions

Conversions Part 2

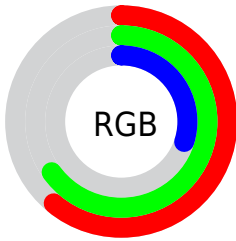
Format	Color
RYB	76, 166, 86
Decimal	10266188
CIELab	65.64, -16.65, 44.71
CIELCh	66, 47.709, 110.431
Yxy	34.8622, 0.3791, 0.4613
Android (android.graphics.Color)	4288456268 (0xFF9CA64C)
YUV	152.7500, -37.8377, 2.8503
Hunter-Lab	59.0442, -16.7138, 29.2192

Details

The Yxy color **34.8622, 0.3791, 0.4613** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.9073, 0.2200, 0.1637**, and the grayscale version is **31.9021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2685, 0.3681, 0.4352**, and **14.9296, 0.3918, 0.5012** is the 20% darker color. If you saturate the color by 10%, you get **34.4788, 0.3878, 0.4812**, and if you desaturate by 10%, it is **35.3112, 0.3685, 0.4387**.

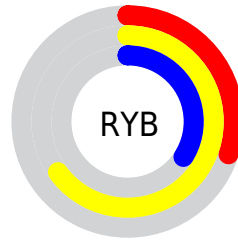
Distribution



Red (61%)

Green (65%)

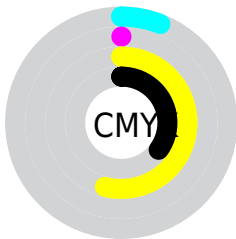
Blue (30%)



Red (30%)

Yellow (65%)

Blue (34%)

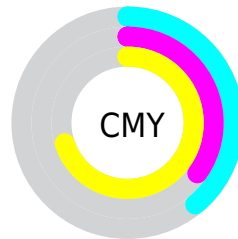


Cyan (6%)

Magenta (0%)

Yellow (54%)

Black (35%)



Cyan (39%)


Magenta (35%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8622, 0.3791, 0.4613 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 34.8622, 0.3791, 0.4613 by changing the saturation by 10% instead.


 34.8622, 0.3791,
0.4613


 34.8622, 0.3791,
0.4613


323.9597, 0.3476,
0.3916


 23.5567, 0.3855,
0.4790


 67.2722, 0.3685,
0.4355


 15.0051, 0.3924,
0.5014


 89.1456, 0.3642,
0.4259


 8.8230, 0.3989,
0.5299


 115.3104, 0.3605,
0.4179

 4.6259, 0.4151,
0.5849

 146.1510, 0.3573,
0.4110

 2.0295, 0.3914,
0.6086

 182.0519, 0.3544,
0.4051

 0.6245, 0.2305,
0.7695

223.3973, 0.3519,

 0.0000, 0.0000,

0.4000

0.0000

270.5718, 0.3496,
0.3955

■ 34.8622, 0.3791,
0.4613

■ 34.8622, 0.3791,
0.4613

■ 34.4788, 0.3878,
0.4812

■ 35.3112, 0.3685,
0.4387

■ 34.1515, 0.3943,
0.4974

■ 35.8251, 0.3566,
0.4142

■ 33.8765, 0.3983,
0.5095

■ 36.4095, 0.3439,
0.3889

■ 33.6473, 0.3998,
0.5172

■ 37.0678, 0.3309,
0.3636

■ 33.5262, 0.4000,
0.5206

■ 37.8033, 0.3180,
0.3390

■ 38.6191, 0.3055,
0.3156

■ 39.5181, 0.2937,
0.2936

■ 40.5030, 0.2825,
0.2733

■ 41.5765, 0.2722,
0.2547

Harmonies

Analogous

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



34.8622, 0.4347, 0.4278



34.8622, 0.3791, 0.4613



34.8622, 0.3092, 0.4530

Triad

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



34.8622, 0.3791, 0.4613



34.8622, 0.1854, 0.2558



34.8622, 0.3775, 0.2726

Complementary

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



34.8622, 0.3791, 0.4613



9.9073, 0.2200, 0.1637

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.



34.8622, 0.3022, 0.2360



34.8622, 0.3791, 0.4613



34.8622, 0.1984, 0.2235

Square

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



34.8622, 0.3791, 0.4613



34.8622, 0.2004, 0.3169



34.8622, 0.2383, 0.2182



34.8622, 0.4380, 0.3219

Rectangle

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



34.8622, 0.3791, 0.4613



34.8622, 0.2640, 0.4185



34.8622, 0.2383, 0.2182



34.8622, 0.3526, 0.2586

Sweetspot

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



34.8638, 0.3791, 0.4613



67.0066, 0.3337, 0.3689



15.1313, 0.4598, 0.3430



14.9410, 0.3362, 0.3739



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.



34.8638, 0.3791, 0.4613



62.4428, 0.3893, 0.4847



31.2432, 0.3348, 0.4836



8.7308, 0.3246, 0.3514



26.0082, 0.4002, 0.5204



0.6444, 0.4070, 0.5151

Inverse Universe

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



9.9073, 0.2200, 0.1637



12.3990, 0.1970, 0.1256



12.6736, 0.2711, 0.1840



7.3391, 0.3003, 0.3058



2.2493, 0.1547, 0.0626



0.0666, 0.1739, 0.0732

Previews

White Background



This preview shows how the Yxy color 34.8622, 0.3791, 0.4613 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 34.8622, 0.3791, 0.4613 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 34.8622, 0.3791, 0.4613

Background



This preview shows how black text looks on a background with the Yxy color 34.8622, 0.3791, 0.4613.



This preview shows how white text looks on a background with the Yxy color 34.8622, 0.3791, 0.4613.

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

34.8622, 0.3791, 0.4613

Protanopia

34.6378, 0.4078, 0.4447

Deuteranopia

34.7714, 0.4288, 0.4207



Tritanopia

34.7111, 0.3116, 0.3118

Trichromacy



Original Color

34.8622, 0.3791, 0.4613

Protanomaly

34.7837, 0.3963, 0.4512

Deuteranomaly

34.5022, 0.4098, 0.4347

Tritanomaly

34.5723, 0.3376, 0.3665

Monochromacy



Original Color

34.8622, 0.3791, 0.4613

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.8044, 0.3392, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8622, 0.3791, 0.4613 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(156, 166, 76)` looks like.

```
.text, #text, p{  
    color:rgb(156, 166, 76)  
}
```

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(156, 166, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 166, 76) }
```

Border

The CSS property to change the border of an element to Yxy 34.8622, 0.3791, 0.4613 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(156, 166, 76) }
```

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

```
.border{ border-color:rgb(156, 166, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 166, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 166, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 166, 76);  
box-shadow:4px 4px 4px 4px rgb(156, 166,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8622, 0.3791, 0.4613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 166, 76) }
```

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

```
.background{ background-color: rgb(156,  
166, 76) }
```

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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