

Converting Colors

$Y_{xy}(34.0865, 0.3958, 0.5014)$

Have a look what the booklet for
Yxy(34.0865, 0.3958, 0.5014)
contains.

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Color

Yxy(34.0878, 0.3960, 0.5012)

Conversions

Conversions Part 1

Format	Color
Hex	98A626
RGB	152, 166, 38
RGB Percent	60%, 65%, 15%
CMY	0.4040, 0.3490, 0.8511
CMYK	0.08, 0.00, 0.77, 0.35
HSL	67°, 63%, 40%
HSV	67°, 77%, 65%
XYZ	26.9329, 34.0878, 6.9917
YIQ	147.2220, 32.7440, -42.7760

Conversions

Conversions Part 2

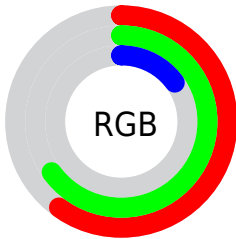
Format	Color
R_{YB}	38, 166, 52
Decimal	10004006
CIE Lab	65.03, -20.87, 59.62
CIE LCh	65, 63.168, 109.288
Yxy	34.0878, 0.3960, 0.5012
Android (android.graphics.Color)	4288194086 (0xFF98A626)
YUV	147.2220, -53.8464, 4.1903
Hunter-Lab	58.3848, -19.8312, 33.7693

Details

The Yxy color **34.0878, 0.3960, 0.5012** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.8685, 0.1784, 0.0966**, and the grayscale version is **29.4906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0764, 0.3849, 0.4695**, and **14.5760, 0.3944, 0.5251** is the 20% darker color. If you saturate the color by 10%, you get **33.8310, 0.3993, 0.5119**, and if you desaturate by 10%, it is **34.3982, 0.3902, 0.4862**.

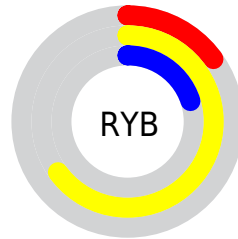
Distribution



Red (60%)

Green (65%)

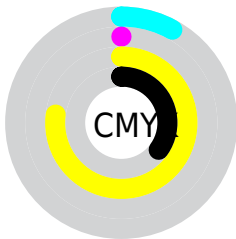
Blue (15%)



Red (15%)

Yellow (65%)

Blue (20%)

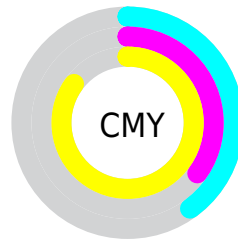


Cyan (8%)

Magenta (0%)

Yellow (77%)

Black (35%)



Cyan (40%)


Magenta (35%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0878, 0.3960, 0.5012 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 34.0878, 0.3960, 0.5012 by changing the saturation by 10% instead.


 34.0878, 0.3960,
0.5012


 34.0878, 0.3960,
0.5012


 320.5234, 0.3596,
0.4124

 22.9611, 0.4014,
0.5219


 66.0702, 0.3851,
0.4695


 14.5648, 0.4052,
0.5463


 87.6946, 0.3802,
0.4573

 8.5145, 0.4119,
0.5844


 113.5871, 0.3758,
0.4469


 4.4259, 0.3947,
0.6053

 144.1319, 0.3718,
0.4380

 1.9145, 0.3636,
0.6364

 179.7136, 0.3683,
0.4303

 0.5571, 0.0349,
0.9651

 220.7165, 0.3651,

 0.0000, 0.0000,

0.4235

0.0000

267.5249, 0.3622,
0.4176

■ 34.0878, 0.3960,
0.5012

■ 34.0878, 0.3960,
0.5012

■ 33.8310, 0.3993,
0.5119

■ 34.3982, 0.3902,
0.4862

■ 33.6145, 0.4002,
0.5186

■ 34.7631, 0.3820,
0.4673

■ 33.5552, 0.4004,
0.5203

■ 35.1889, 0.3719,
0.4454

■ 35.6802, 0.3603,
0.4214

■ 36.2406, 0.3478,
0.3963

■ 36.8739, 0.3348,
0.3710

■ 37.5833, 0.3218,
0.3461

■ 38.3721, 0.3091,
0.3223

■ 39.2431, 0.2970,
0.2999

Harmonies

Analogous

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



34.0878, 0.4693, 0.4471



34.0878, 0.3960, 0.5012



34.0878, 0.3065, 0.5019

Triad

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



34.0878, 0.3960, 0.5012



34.0878, 0.1521, 0.2332



34.0878, 0.3941, 0.2538

Complementary

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



34.0878, 0.3960, 0.5012



4.8685, 0.1784, 0.0966

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.



34.0878, 0.2935, 0.2100



34.0878, 0.3960, 0.5012



34.0878, 0.1670, 0.1946

Square

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



34.0878, 0.3960, 0.5012



34.0878, 0.1697, 0.3130



34.0878, 0.2137, 0.1889



34.0878, 0.4773, 0.3130

Rectangle

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



34.0878, 0.3960, 0.5012



34.0878, 0.2488, 0.4565



34.0878, 0.2137, 0.1889



34.0878, 0.3601, 0.2371

Sweetspot

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



34.0894, 0.3960, 0.5012



66.1750, 0.3430, 0.3869



10.5964, 0.5598, 0.3439



14.7221, 0.3475, 0.3958



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.



34.0894, 0.3960, 0.5012



61.0906, 0.4001, 0.5172



29.5485, 0.3341, 0.5446



8.7315, 0.3246, 0.3514



26.0300, 0.4005, 0.5202



0.6447, 0.4072, 0.5149

Inverse Universe

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



4.8685, 0.1784, 0.0966



5.7412, 0.1580, 0.0675



7.7695, 0.2470, 0.1312



7.3384, 0.3002, 0.3058



2.2469, 0.1546, 0.0626



0.0664, 0.1736, 0.0730

Previews

White Background



This preview shows how the Yxy color 34.0878, 0.3960, 0.5012 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 34.0878, 0.3960, 0.5012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

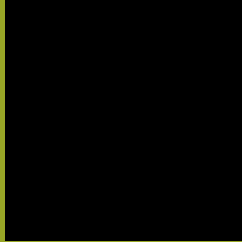
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0878, 0.3960, 0.5012

Background



This preview shows how black text looks on a background with the Yxy color 34.0878, 0.3960, 0.5012.



This preview shows how white text looks on a background with the Yxy color 34.0878, 0.3960, 0.5012.

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

34.0878, 0.3960, 0.5012

Protanopia

33.9282, 0.4308, 0.4765

Deuteranopia

34.0157, 0.4563, 0.4474



Tritanopia

34.1252, 0.3106, 0.3117

Trichromacy



Original Color

34.0878, 0.3960, 0.5012

Protanomaly

33.9481, 0.4179, 0.4854

Deuteranomaly

33.7751, 0.4340, 0.4671

Tritanomaly

33.6259, 0.3498, 0.3884

Monochromacy



Original Color

34.0878, 0.3960, 0.5012

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.5623, 0.3520, 0.4044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0878, 0.3960, 0.5012 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, 166, 38)` looks like.

```
.text, #text, p{  
    color:rgb(152, 166, 38)  
}
```

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, 166, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 166, 38) }
```

Border

The CSS property to change the border of an element to Yxy 34.0878, 0.3960, 0.5012 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, 166, 38) }
```

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

```
.border{ border-color:rgb(152, 166, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 166, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 166, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 166, 38);  
box-shadow:4px 4px 4px 4px rgb(152, 166,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0878, 0.3960, 0.5012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 166, 38) }
```

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

```
.background{ background-color: rgb(152,  
166, 38) }
```

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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