

Converting Colors

$Y_{xy}(34.8192, 0.3801, 0.5038)$

Have a look what the booklet for
Yxy(34.8192, 0.3801, 0.5038)
contains.

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Color

Yxy(34.7943, 0.3798, 0.5040)

Conversions

Conversions Part 1

Format	Color
Hex	8FAA2F
RGB	143, 170, 47
RGB Percent	56%, 67%, 18%
CMY	0.4391, 0.3334, 0.8157
CMYK	0.16, 0.00, 0.72, 0.33
HSL	73°, 57%, 43%
HSV	73°, 72%, 67%
XYZ	26.2200, 34.7943, 8.0220
YIQ	147.9050, 23.3910, -43.9770

Conversions

Conversions Part 2

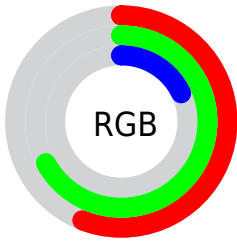
Format	Color
RYB	47, 170, 74
Decimal	9415215
CIELab	65.59, -26.19, 56.83
CIELCh	66, 62.568, 114.741
Yxy	34.7943, 0.3798, 0.5040
Android (android.graphics.Color)	4287605295 (0xFF8FAA2F)
YUV	147.9050, -49.7462, -4.3017
Hunter-Lab	58.9867, -23.8822, 33.2274

Details

The Yxy color **34.7943, 0.3798, 0.5040** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.3884, 0.1975, 0.1138**, and the grayscale version is **29.7796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9321, 0.3715, 0.4707**, and **15.0807, 0.3781, 0.5380** is the 20% darker color. If you saturate the color by 10%, you get **34.3572, 0.3823, 0.5191**, and if you desaturate by 10%, it is **35.2990, 0.3748, 0.4848**.

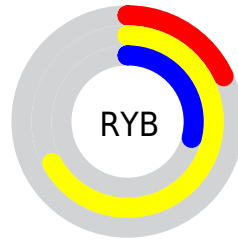
Distribution



Red (56%)

Green (67%)

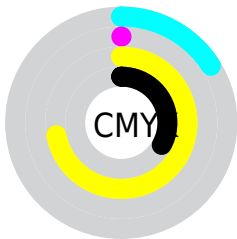
Blue (18%)



Red (18%)

Yellow (67%)

Blue (29%)

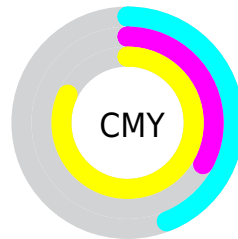


Cyan (16%)

Magenta (0%)

Yellow (72%)

Black (33%)



Cyan (44%)

Magenta (33%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7943, 0.3798, 0.5040 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 34.7943, 0.3798, 0.5040 by changing the saturation by 10% instead.

 34.7943, 0.3798,
0.5040


 34.7943, 0.3798,
0.5040


323.6595, 0.3514,
0.4120


 23.5045, 0.3835,
0.5264


 67.1670, 0.3716,
0.4704

 14.9664, 0.3855,
0.5539


 89.0186, 0.3678,
0.4578


 8.7958, 0.3865,
0.5922


 115.1596, 0.3644,
0.4471

 4.6083, 0.3718,
0.6282

 145.9745, 0.3612,
0.4380

 2.0193, 0.3337,
0.6663

 181.8475, 0.3584,
0.4301

 0.6186, 0.0000,
1.0000

 223.1630, 0.3558,

 0.0000, 0.0000,

0.4233

0.0000

270.3056, 0.3535,
0.4173

■ 34.7943, 0.3798,
0.5040

■ 34.7943, 0.3798,
0.5040

■ 34.3572, 0.3823,
0.5191

■ 35.2990, 0.3748,
0.4848

■ 33.9764, 0.3824,
0.5296

■ 35.8722, 0.3676,
0.4623

■ 33.7130, 0.3813,
0.5355

■ 36.5205, 0.3587,
0.4374

■ 37.2484, 0.3485,
0.4114

■ 38.0599, 0.3376,
0.3851

■ 38.9588, 0.3264,
0.3593

■ 39.9486, 0.3153,
0.3346

■ 41.0326, 0.3045,
0.3114

■ 42.2140, 0.2942,
0.2900

Harmonies

Analogous

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



34.7943, 0.4564, 0.4575



34.7943, 0.3798, 0.5040



34.7943, 0.2909, 0.4901

Triad

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



34.7943, 0.3798, 0.5040



34.7943, 0.1545, 0.2250



34.7943, 0.4104, 0.2647

Complementary

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



34.7943, 0.3798, 0.5040



6.3884, 0.1975, 0.1138

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.



34.7943, 0.3111, 0.2179



34.7943, 0.3798, 0.5040



34.7943, 0.1748, 0.1932

Square

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



34.7943, 0.3798, 0.5040



34.7943, 0.1659, 0.2961



34.7943, 0.2271, 0.1926



34.7943, 0.4842, 0.3250

Rectangle

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



34.7943, 0.3798, 0.5040



34.7943, 0.2359, 0.4367



34.7943, 0.2271, 0.1926



34.7943, 0.3778, 0.2471

Sweetspot

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



34.7959, 0.3798, 0.5040



69.0531, 0.3377, 0.3852



13.6007, 0.5218, 0.3637



15.3098, 0.3406, 0.3920



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.



34.7959, 0.3798, 0.5040



61.8998, 0.3827, 0.5262



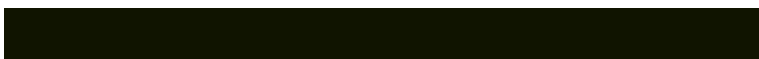
30.7398, 0.3234, 0.5417



8.6897, 0.3230, 0.3515



24.8262, 0.3817, 0.5351



0.6241, 0.3949, 0.5246

Inverse Universe

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



6.3884, 0.1975, 0.1138



7.4818, 0.1738, 0.0802



10.0974, 0.2713, 0.1498



7.3769, 0.3019, 0.3059



2.4487, 0.1628, 0.0670



0.0808, 0.1950, 0.0848

Previews

White Background



This preview shows how the Yxy color 34.7943, 0.3798, 0.5040 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 34.7943, 0.3798, 0.5040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

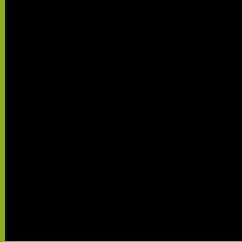
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7943, 0.3798, 0.5040

Background



This preview shows how black text looks on a background with the Yxy color 34.7943, 0.3798, 0.5040.



This preview shows how white text looks on a background with the Yxy color 34.7943, 0.3798, 0.5040.

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

34.7943, 0.3798, 0.5040

Protanopia

34.4431, 0.4273, 0.4716

Deuteranopia

34.5417, 0.4517, 0.4421



Tritanopia

34.8045, 0.2994, 0.3115

Trichromacy



Original Color

34.7943, 0.3798, 0.5040

Protanomaly

34.3832, 0.4094, 0.4839

Deuteranomaly

34.2764, 0.4258, 0.4646

Tritanomaly

34.2801, 0.3340, 0.3865

Monochromacy



Original Color

34.7943, 0.3798, 0.5040

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.0356, 0.3444, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7943, 0.3798, 0.5040 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(143, 170, 47)` looks like.

```
.text, #text, p{  
    color:rgb(143, 170, 47)  
}
```

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(143, 170, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 170, 47) }
```

Border

The CSS property to change the border of an element to Yxy 34.7943, 0.3798, 0.5040 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(143, 170, 47) }
```

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

```
.border{ border-color:rgb(143, 170, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 170, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 170, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 170, 47);  
box-shadow:4px 4px 4px 4px rgb(143, 170,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7943, 0.3798, 0.5040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 170, 47) }
```

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

```
.background{ background-color: rgb(143,  
170, 47) }
```

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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