

Converting Colors

$Y_{xy}(35.4860, 0.3767, 0.5325)$

Have a look what the booklet for
Yxy(35.4860, 0.3767, 0.5325)
contains.

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Color

Yxy(35.3809, 0.3770, 0.5321)

Conversions

Conversions Part 1

Format	Color
Hex	86AE11
RGB	134, 174, 17
RGB Percent	53%, 68%, 7%
CMY	0.4746, 0.3176, 0.9327
CMYK	0.23, 0.00, 0.90, 0.32
HSL	75°, 82%, 37%
HSV	75°, 90%, 68%
XYZ	25.0678, 35.3809, 6.0442
YIQ	144.1420, 26.5570, -57.3070

Conversions

Conversions Part 2

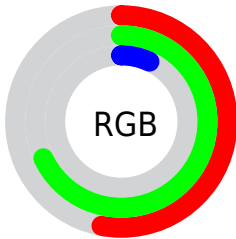
Format	Color
RYB	17, 174, 57
Decimal	8826385
CIELab	66.04, -32.99, 65.16
CIELCh	66, 73.037, 116.852
Yxy	35.3809, 0.3770, 0.5321
Android (android.graphics.Color)	4287016465 (0xFF86AE11)
YUV	144.1420, -62.6810, -8.8945
Hunter-Lab	59.4818, -28.8667, 35.6126

Details

The Yxy color **35.3809, 0.3770, 0.5321** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.3370, 0.1758, 0.0799**, and the grayscale version is **28.2065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2792, 0.3717, 0.4946**, and **15.3370, 0.3616, 0.5511** is the 20% darker color. If you saturate the color by 10%, you get **34.9893, 0.3750, 0.5404**, and if you desaturate by 10%, it is **35.8327, 0.3770, 0.5199**.

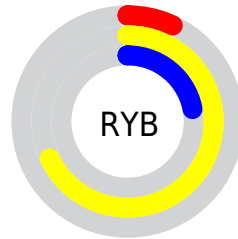
Distribution



Red (53%)

Green (68%)

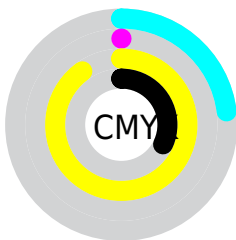
Blue (7%)



Red (7%)

Yellow (68%)

Blue (22%)

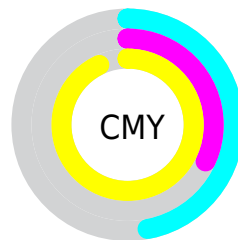


Cyan (23%)

Magenta (0%)

Yellow (90%)

Black (32%)



Cyan (47%)


Magenta (32%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3809, 0.3770, 0.5321 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 35.3809, 0.3770, 0.5321 by changing the saturation by 10% instead.


 35.3809, 0.3770,
0.5321


 35.3809, 0.3770,
0.5321


326.2464, 0.3534,
0.4262

 23.9564, 0.3779,
0.5569


 68.0754, 0.3717,
0.4941

 15.3013, 0.3755,
0.5864


 90.1143, 0.3686,
0.4795


 9.0311, 0.3710,
0.6290


 116.4600, 0.3656,
0.4671

 4.7615, 0.3422,
0.6578

 147.4971, 0.3627,
0.4565

 2.1080, 0.2953,
0.7047

 183.6099, 0.3601,
0.4473

 0.6691, 0.0000,
1.0000

 225.1828, 0.3577,

 0.0000, 0.0000,

0.4394

0.0000

272.6002, 0.3554,
0.4324

■ 35.3809, 0.3770,
0.5321

■ 35.3809, 0.3770,
0.5321

■ 34.9893, 0.3750,
0.5404

■ 35.8327, 0.3770,
0.5199

■ 36.3495, 0.3746,
0.5032

■ 36.9398, 0.3697,
0.4824

■ 37.6094, 0.3627,
0.4586

■ 38.3635, 0.3541,
0.4328

■ 39.2068, 0.3444,
0.4061

■ 40.1436, 0.3340,
0.3796

■ 41.1778, 0.3234,
0.3538

■ 42.3134, 0.3129,
0.3293

Harmonies

Analogous

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



35.3809, 0.4666, 0.4746



35.3809, 0.3770, 0.5321



35.3809, 0.2772, 0.5154

Triad

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



35.3809, 0.3770, 0.5321



35.3809, 0.1364, 0.2056



35.3809, 0.4330, 0.2596

Complementary

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



35.3809, 0.3770, 0.5321



4.3370, 0.1758, 0.0799

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.



35.3809, 0.3176, 0.2071



35.3809, 0.3770, 0.5321



35.3809, 0.1609, 0.1752

Square

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



35.3809, 0.3770, 0.5321



35.3809, 0.1450, 0.2811



35.3809, 0.2204, 0.1775



35.3809, 0.5143, 0.3258

Rectangle

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



35.3809, 0.3770, 0.5321



35.3809, 0.2170, 0.4478



35.3809, 0.2204, 0.1775



35.3809, 0.3953, 0.2400

Sweetspot

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



35.3825, 0.3770, 0.5321



71.5474, 0.3417, 0.3990



11.9045, 0.5803, 0.3637



15.7814, 0.3451, 0.4079



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.3825, 0.3770, 0.5321



63.3504, 0.3743, 0.5410



31.1668, 0.3144, 0.5802



9.2258, 0.3225, 0.3517



25.4054, 0.3756, 0.5400



0.7308, 0.3895, 0.5289

Inverse Universe

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



4.3370, 0.1758, 0.0799



6.4401, 0.1640, 0.0677



8.5958, 0.2650, 0.1280



7.8523, 0.3024, 0.3058



2.6360, 0.1663, 0.0690



0.0994, 0.1992, 0.0871

Previews

White Background



This preview shows how the Yxy color 35.3809, 0.3770, 0.5321 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 35.3809, 0.3770, 0.5321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

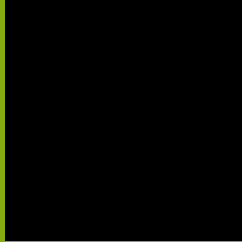
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3809, 0.3770, 0.5321

Background



This preview shows how black text looks on a background with the Yxy color 35.3809, 0.3770, 0.5321.



This preview shows how white text looks on a background with the Yxy color 35.3809, 0.3770, 0.5321.

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

35.3809, 0.3770, 0.5321

Protanopia

34.9895, 0.4396, 0.4854

Deuteranopia

34.9953, 0.4621, 0.4540



Tritanopia

35.3254, 0.2899, 0.3098

Trichromacy



Original Color

35.3809, 0.3770, 0.5321

Protanomaly

34.8318, 0.4164, 0.5030

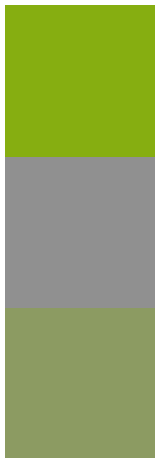
Deuteranomaly

34.5774, 0.4312, 0.4822

Tritanomaly

34.5097, 0.3333, 0.4049

Monochromacy



Original Color

35.3809, 0.3770, 0.5321

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.9000, 0.3501, 0.4231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3809, 0.3770, 0.5321 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(134, 174, 17)` looks like.

```
.text, #text, p{  
    color:rgb(134, 174, 17)  
}
```

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(134, 174, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 174, 17) }
```

Border

The CSS property to change the border of an element to Yxy 35.3809, 0.3770, 0.5321 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(134, 174, 17) }
```

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

```
.border{ border-color:rgb(134, 174, 17) }
```

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

Here you see how a box with a 4 pixel rgb(134, 174, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 174, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 174, 17);  
box-shadow:4px 4px 4px 4px rgb(134, 174,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3809, 0.3770, 0.5321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 174, 17) }
```

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

```
.background{ background-color: rgb(134,  
174, 17) }
```

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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