

Converting Colors

$Y_{xy}(35.9588, 0.3823, 0.5310)$

Have a look what the booklet for
Yxy(35.9588, 0.3823, 0.5310)
contains.

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Color

Yxy(36.1708, 0.3823, 0.5311)

Conversions

Conversions Part 1

Format	Color
Hex	8BAF0A
RGB	139, 175, 10
RGB Percent	55%, 69%, 4%
CMY	0.4548, 0.3137, 0.9605
CMYK	0.21, 0.00, 0.94, 0.31
HSL	73°, 89%, 36%
HSV	73°, 94%, 69%
XYZ	26.0367, 36.1708, 5.8979
YIQ	145.4260, 31.5090, -58.9470

Conversions

Conversions Part 2

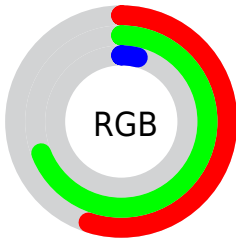
Format	Color
RYB	10, 175, 46
Decimal	9154314
CIELab	66.65, -31.52, 66.83
CIELCh	67, 73.889, 115.254
Yxy	36.1708, 0.3823, 0.5311
Android (android.graphics.Color)	4287344394 (0xFF8BAF0A)
YUV	145.4260, -66.7650, -5.6356
Hunter-Lab	60.1422, -27.9727, 36.2852

Details

The Yxy color **36.1708, 0.3823, 0.5311** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.8950, 0.1671, 0.0725**, and the grayscale version is **28.7722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4668, 0.3758, 0.4945**, and **15.7581, 0.3659, 0.5477** is the 20% darker color. If you saturate the color by 10%, you get **35.9633, 0.3814, 0.5354**, and if you desaturate by 10%, it is **36.5665, 0.3827, 0.5215**.

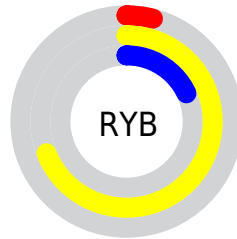
Distribution



Red (55%)

Green (69%)

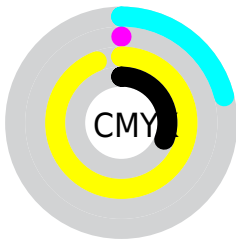
Blue (4%)



Red (4%)

Yellow (69%)

Blue (18%)

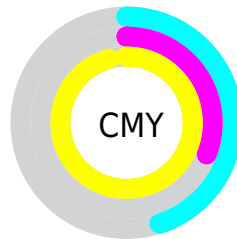


Cyan (21%)

Magenta (0%)

Yellow (94%)

Black (31%)



Cyan (45%)


Magenta (31%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1708, 0.3823, 0.5311 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 36.1708, 0.3823, 0.5311 by changing the saturation by 10% instead.


 36.1708, 0.3823,
0.5311


 36.1708, 0.3823,
0.5311


329.7065, 0.3563,
0.4269

 24.5661, 0.3837,
0.5550


 69.2956, 0.3762,
0.4941


 15.7541, 0.3818,
0.5830


 91.5845, 0.3728,
0.4798


 9.3503, 0.3777,
0.6223


 118.2037, 0.3695,
0.4676

 4.9704, 0.3509,
0.6491

 149.5375, 0.3665,
0.4571

 2.2299, 0.3076,
0.6924

 185.9702, 0.3636,
0.4480

 0.7362, 0.0000,
1.0000

 227.8864, 0.3610,

 0.0000, 0.0000,

0.4400

0.0000

275.6703, 0.3586,
0.4331

■ 36.1708, 0.3823,
0.5311

■ 36.1708, 0.3823,
0.5311

■ 35.9633, 0.3814,
0.5354

■ 36.5665, 0.3827,
0.5215

■ 37.0206, 0.3807,
0.5074

■ 37.5423, 0.3761,
0.4889

■ 38.1378, 0.3693,
0.4670

■ 38.8126, 0.3606,
0.4425

■ 39.5716, 0.3506,
0.4165

■ 40.4192, 0.3398,
0.3901

■ 41.3595, 0.3286,
0.3642

■ 42.3964, 0.3174,
0.3392

Harmonies

Analogous

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



36.1708, 0.4711, 0.4710



36.1708, 0.3823, 0.5311



36.1708, 0.2821, 0.5199

Triad

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



36.1708, 0.3823, 0.5311



36.1708, 0.1355, 0.2079



36.1708, 0.4277, 0.2561

Complementary

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



36.1708, 0.3823, 0.5311



3.8950, 0.1671, 0.0725

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.



36.1708, 0.3116, 0.2044



36.1708, 0.3823, 0.5311



36.1708, 0.1583, 0.1754

Square

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



36.1708, 0.3823, 0.5311



36.1708, 0.1459, 0.2863



36.1708, 0.2159, 0.1761



36.1708, 0.5125, 0.3219

Rectangle

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



36.1708, 0.3823, 0.5311



36.1708, 0.2210, 0.4550



36.1708, 0.2159, 0.1761



36.1708, 0.3894, 0.2367

Sweetspot

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



36.1724, 0.3823, 0.5311



71.7299, 0.3445, 0.4013



11.0740, 0.5991, 0.3547



15.8017, 0.3490, 0.4125



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.



36.1724, 0.3823, 0.5311



64.3126, 0.3807, 0.5359



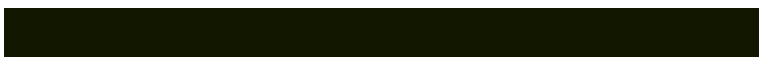
31.5444, 0.3154, 0.5833



9.2408, 0.3230, 0.3516



25.7834, 0.3818, 0.5350



0.7389, 0.3939, 0.5255

Inverse Universe

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



3.8950, 0.1671, 0.0725



6.2084, 0.1605, 0.0658



7.9233, 0.2547, 0.1202



7.8383, 0.3018, 0.3058



2.5367, 0.1626, 0.0669



0.0940, 0.1926, 0.0835

Previews

White Background



This preview shows how the Yxy color 36.1708, 0.3823, 0.5311 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 36.1708, 0.3823, 0.5311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

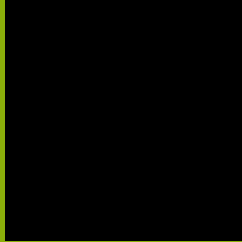
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1708, 0.3823, 0.5311

Background



This preview shows how black text looks on a background with the Yxy color 36.1708, 0.3823, 0.5311.



This preview shows how white text looks on a background with the Yxy color 36.1708, 0.3823, 0.5311.

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

36.1708, 0.3823, 0.5311

Protanopia

35.7857, 0.4400, 0.4888

Deuteranopia

35.7296, 0.4646, 0.4540



Tritanopia

36.1990, 0.2935, 0.3101

Trichromacy



Original Color

36.1708, 0.3823, 0.5311

Protanomaly

35.7532, 0.4177, 0.5052

Deuteranomaly

35.2632, 0.4345, 0.4827

Tritanomaly

35.2879, 0.3397, 0.4082

Monochromacy



Original Color

36.1708, 0.3823, 0.5311

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.4611, 0.3547, 0.4266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1708, 0.3823, 0.5311 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(139, 175, 10)` looks like.

```
.text, #text, p{  
    color:rgb(139, 175, 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(139, 175, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 175, 10) }
```

Border

The CSS property to change the border of an element to Yxy 36.1708, 0.3823, 0.5311 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(139, 175, 10) }
```

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

```
.border{ border-color:rgb(139, 175, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 175, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 175, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 175, 10);  
box-shadow:4px 4px 4px 4px rgb(139, 175,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1708, 0.3823, 0.5311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 175, 10) }
```

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

```
.background{ background-color: rgb(139,  
175, 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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