

Converting Colors

$Y_{xy}(35.2310, 0.3689, 0.5235)$

Have a look what the booklet for
Yxy(35.2310, 0.3689, 0.5235)
contains.

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Color

Yxy(35.2310, 0.3689, 0.5235)

Conversions

Conversions Part 1

Format	Color
Hex	83AE25
RGB	131, 174, 37
RGB Percent	51%, 68%, 15%
CMY	0.4864, 0.3176, 0.8549
CMYK	0.25, 0.00, 0.79, 0.32
HSL	79°, 65%, 41%
HSV	79°, 79%, 68%
XYZ	24.8266, 35.2310, 7.2414
YIQ	145.5250, 18.3490, -51.7230

Conversions

Conversions Part 2

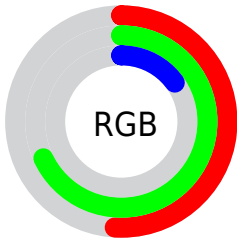
Format	Color
RYB	37, 174, 80
Decimal	8629797
CIELab	65.93, -33.52, 60.22
CIELCh	66, 68.925, 119.101
Yxy	35.2310, 0.3689, 0.5235
Android (android.graphics.Color)	4286819877 (0xFF83AE25)
YUV	145.5250, -53.5028, -12.7384
Hunter-Lab	59.3557, -29.2117, 34.3156

Details

The Yxy color **35.2310, 0.3689, 0.5235** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.0865, 0.1992, 0.1044**, and the grayscale version is **28.7557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9666, 0.3634, 0.4861**, and **15.2112, 0.3577, 0.5542** is the 20% darker color. If you saturate the color by 10%, you get **34.7232, 0.3683, 0.5375**, and if you desaturate by 10%, it is **35.8171, 0.3671, 0.5049**.

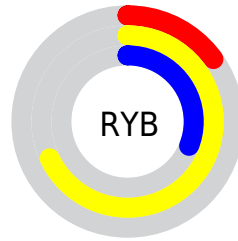
Distribution



Red (51%)

Green (68%)

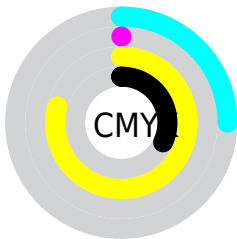
Blue (15%)



Red (15%)

Yellow (68%)

Blue (31%)

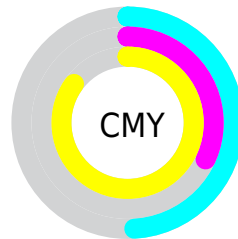


Cyan (25%)

Magenta (0%)

Yellow (79%)

Black (32%)



Cyan (49%)


Magenta (32%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2310, 0.3689, 0.5235 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 35.2310, 0.3689, 0.5235 by changing the saturation by 10% instead.


 35.2310, 0.3689,
0.5235


 35.2310, 0.3689,
0.5235


325.5868, 0.3479,
0.4205

 23.8409, 0.3700,
0.5487


 67.8435, 0.3639,
0.4858


 15.2156, 0.3682,
0.5795


 89.8346, 0.3612,
0.4716


 8.9709, 0.3657,
0.6259


 116.1282, 0.3585,
0.4597

 4.7222, 0.3393,
0.6607

 147.1086, 0.3560,
0.4495

 2.0852, 0.2915,
0.7085

 183.1603, 0.3537,
0.4407

 0.6563, 0.0000,
1.0000

 224.6676, 0.3516,

 0.0000, 0.0000,

0.4331

0.0000

272.0150, 0.3496,
0.4264

■ 35.2310, 0.3689,
0.5235

■ 35.2310, 0.3689,
0.5235

■ 34.7232, 0.3683,
0.5375

■ 35.8171, 0.3671,
0.5049

■ 34.2767, 0.3655,
0.5471

■ 36.4835, 0.3629,
0.4825

■ 34.2227, 0.3652,
0.5483

■ 37.2380, 0.3567,
0.4573

■ 38.0855, 0.3489,
0.4304

■ 39.0311, 0.3401,
0.4031

■ 40.0791, 0.3307,
0.3761

■ 41.2334, 0.3211,
0.3503

■ 42.4982, 0.3115,
0.3260

■ 43.8768, 0.3023,
0.3036

Harmonies

Analogous

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



35.2310, 0.4556, 0.4750



35.2310, 0.3689, 0.5235



35.2310, 0.2733, 0.4983

Triad

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



35.2310, 0.3689, 0.5235



35.2310, 0.1442, 0.2083



35.2310, 0.4342, 0.2676

Complementary

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



35.2310, 0.3689, 0.5235



6.0865, 0.1992, 0.1044

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.



35.2310, 0.3258, 0.2154



35.2310, 0.3689, 0.5235



35.2310, 0.1704, 0.1809

Square

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



35.2310, 0.3689, 0.5235



35.2310, 0.1505, 0.2774



35.2310, 0.2307, 0.1849



35.2310, 0.5069, 0.3325

Rectangle

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



35.2310, 0.3689, 0.5235



35.2310, 0.2167, 0.4317



35.2310, 0.2307, 0.1849



35.2310, 0.3994, 0.2483

Sweetspot

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



35.2326, 0.3689, 0.5235



71.5861, 0.3361, 0.3914



14.5967, 0.5316, 0.3781



15.7665, 0.3394, 0.4009



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.



35.2326, 0.3689, 0.5235



62.4084, 0.3664, 0.5443



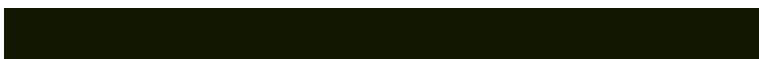
31.5131, 0.3143, 0.5624



9.2021, 0.3216, 0.3517



24.8513, 0.3658, 0.5478



0.7187, 0.3827, 0.5344

Inverse Universe

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



6.0865, 0.1992, 0.1044



7.5803, 0.1770, 0.0772



10.5463, 0.2821, 0.1468



7.8747, 0.3033, 0.3059



2.8271, 0.1734, 0.0729



0.1082, 0.2091, 0.0926

Previews

White Background



This preview shows how the Yxy color 35.2310, 0.3689, 0.5235 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 35.2310, 0.3689, 0.5235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

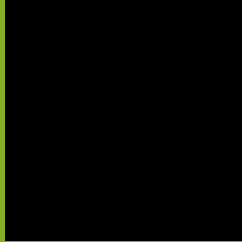
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2310, 0.3689, 0.5235

Background



This preview shows how black text looks on a background with the Yxy color 35.2310, 0.3689, 0.5235.



This preview shows how white text looks on a background with the Yxy color 35.2310, 0.3689, 0.5235.

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

35.2310, 0.3689, 0.5235

Protanopia

34.9547, 0.4330, 0.4779

Deuteranopia

34.9492, 0.4550, 0.4469



Tritanopia

35.0468, 0.2873, 0.3097

Trichromacy



Original Color

35.2310, 0.3689, 0.5235

Protanomaly

34.7071, 0.4089, 0.4954

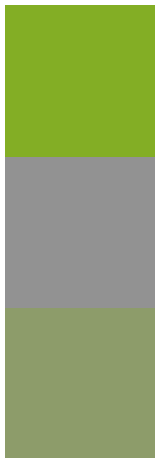
Deuteranomaly

34.4374, 0.4232, 0.4746

Tritanomaly

34.4158, 0.3245, 0.3943

Monochromacy



Original Color

35.2310, 0.3689, 0.5235

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.4803, 0.3436, 0.4112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2310, 0.3689, 0.5235 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(131, 174, 37)` looks like.

```
.text, #text, p{  
    color:rgb(131, 174, 37)  
}
```

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(131, 174, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 174, 37) }
```

Border

The CSS property to change the border of an element to Yxy 35.2310, 0.3689, 0.5235 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(131, 174, 37) }
```

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

```
.border{ border-color:rgb(131, 174, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 174, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 174, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 174, 37);  
box-shadow:4px 4px 4px 4px rgb(131, 174,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2310, 0.3689, 0.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 174, 37) }
```

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

```
.background{ background-color: rgb(131,  
174, 37) }
```

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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