

Converting Colors

$Yxy(35.0856, 0.3589, 0.4877)$

Have a look what the booklet for
Yxy(35.0856, 0.3589, 0.4877)
contains.

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Color

Yxy(35.0856, 0.3589, 0.4877)

Conversions

Conversions Part 1

Format	Color
Hex	87AC45
RGB	135, 172, 69
RGB Percent	53%, 67%, 27%
CMY	0.4705, 0.3255, 0.7295
CMYK	0.22, 0.00, 0.60, 0.33
HSL	82°, 43%, 47%
HSV	82°, 60%, 67%
XYZ	25.8196, 35.0856, 11.0357
YIQ	149.1950, 11.0110, -39.8770

Conversions

Conversions Part 2

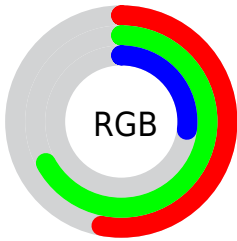
Format	Color
RYB	69, 172, 106
Decimal	8891461
CIELab	65.82, -28.83, 47.81
CIELCh	66, 55.831, 121.089
Yxy	35.0856, 0.3589, 0.4877
Android (android.graphics.Color)	4287081541 (0xFF87AC45)
YUV	149.1950, -39.5361, -12.4490
Hunter-Lab	59.2331, -25.8501, 30.4168

Details

The Yxy color **35.0856, 0.3589, 0.4877** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.2920, 0.2350, 0.1559**, and the grayscale version is **30.3083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8144, 0.3527, 0.4562**, and **15.2558, 0.3627, 0.5389** is the 20% darker color. If you saturate the color by 10%, you get **34.4063, 0.3621, 0.5106**, and if you desaturate by 10%, it is **35.8596, 0.3537, 0.4619**.

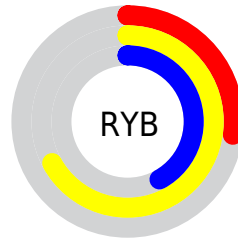
Distribution



Red (53%)

Green (67%)

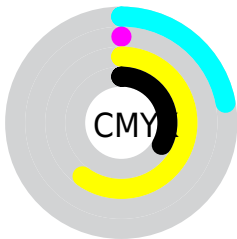
Blue (27%)



Red (27%)

Yellow (67%)

Blue (42%)

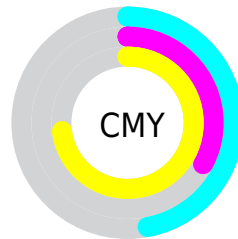


Cyan (22%)

Magenta (0%)

Yellow (60%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0856, 0.3589, 0.4877 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 35.0856, 0.3589, 0.4877 by changing the saturation by 10% instead.


 35.0856, 0.3589,
0.4877


 35.0856, 0.3589,
0.4877


324.9460, 0.3394,
0.4023


 23.7288, 0.3615,
0.5100

 67.6184, 0.3532,
0.4557


 15.1326, 0.3631,
0.5386


 89.5631, 0.3506,
0.4439

 8.9125, 0.3614,
0.5756

 115.8060, 0.3482,
0.4340

 4.6841, 0.3604,
0.6396

 146.7314, 0.3461,
0.4257

 2.0632, 0.3189,
0.6811

 182.7237, 0.3442,
0.4186

 0.6438, 0.0000,
1.0000

224.1673, 0.3424,

 0.0000, 0.0000,

0.4124

0.0000

271.4466, 0.3408,
0.4070

■ 35.0856, 0.3589,
0.4877

■ 35.0856, 0.3589,
0.4877

■ 34.4063, 0.3621,
0.5106

■ 35.8596, 0.3537,
0.4619

■ 33.8110, 0.3629,
0.5296

■ 36.7291, 0.3469,
0.4346

■ 33.2942, 0.3614,
0.5438

■ 37.7003, 0.3389,
0.4067

■ 32.8416, 0.3580,
0.5539

■ 38.7778, 0.3304,
0.3794

■ 32.8374, 0.3579,
0.5540

■ 39.9658, 0.3215,
0.3533

■ 41.2681, 0.3126,
0.3288

■ 42.6885, 0.3040,
0.3061

■ 44.2303, 0.2958,
0.2855

■ 45.8971, 0.2880,
0.2668

Harmonies

Analogous

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



35.0856, 0.4316, 0.4583



35.0856, 0.3589, 0.4877



35.0856, 0.2783, 0.4580

Triad

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



35.0856, 0.3589, 0.4877



35.0856, 0.1699, 0.2269



35.0856, 0.4171, 0.2824

Complementary

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



35.0856, 0.3589, 0.4877



10.2920, 0.2350, 0.1559

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.



35.0856, 0.3306, 0.2356



35.0856, 0.3589, 0.4877



35.0856, 0.1950, 0.2033

Square

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



35.0856, 0.3589, 0.4877



35.0856, 0.1746, 0.2844



35.0856, 0.2498, 0.2076



35.0856, 0.4734, 0.3401

Rectangle

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



35.0856, 0.3589, 0.4877



35.0856, 0.2309, 0.4047



35.0856, 0.2498, 0.2076



35.0856, 0.3897, 0.2651

Sweetspot

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



35.0872, 0.3589, 0.4877



70.6748, 0.3290, 0.3752



19.3091, 0.4575, 0.3817



15.2328, 0.3314, 0.3828



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.



35.0872, 0.3589, 0.4877



62.0345, 0.3626, 0.5175



31.8392, 0.3143, 0.5127



9.1843, 0.3210, 0.3518



24.4677, 0.3585, 0.5535



0.7100, 0.3775, 0.5385

Inverse Universe

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



10.2920, 0.2350, 0.1559



12.9924, 0.2138, 0.1201



14.3533, 0.2987, 0.1833



7.8919, 0.3039, 0.3059



3.0009, 0.1796, 0.0763



0.1148, 0.2164, 0.0966

Previews

White Background



This preview shows how the Yxy color 35.0856, 0.3589, 0.4877 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 35.0856, 0.3589, 0.4877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

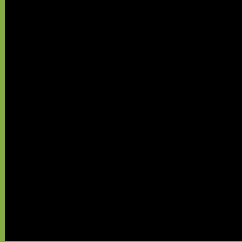
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0856, 0.3589, 0.4877

Background



This preview shows how black text looks on a background with the Yxy color 35.0856, 0.3589, 0.4877.



This preview shows how white text looks on a background with the Yxy color 35.0856, 0.3589, 0.4877.

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

35.0856, 0.3589, 0.4877

Protanopia

34.9882, 0.4144, 0.4547

Deuteranopia

34.8348, 0.4339, 0.4255



Tritanopia

34.8416, 0.2898, 0.3097

Trichromacy



Original Color

35.0856, 0.3589, 0.4877

Protanomaly

34.6256, 0.3936, 0.4674

Deuteranomaly

34.2760, 0.4054, 0.4474

Tritanomaly

34.5275, 0.3171, 0.3746

Monochromacy



Original Color

35.0856, 0.3589, 0.4877

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.3993, 0.3337, 0.3888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0856, 0.3589, 0.4877 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(135, 172, 69)` looks like.

```
.text, #text, p{  
  color:rgb(135, 172, 69)  
}
```

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(135, 172, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 172, 69) }
```

Border

The CSS property to change the border of an element to Yxy 35.0856, 0.3589, 0.4877 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(135, 172, 69) }
```

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

```
.border{ border-color:rgb(135, 172, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 172, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 172, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 172, 69);  
box-shadow:4px 4px 4px 4px rgb(135, 172,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0856, 0.3589, 0.4877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 172, 69) }
```

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

```
.background{ background-color: rgb(135,  
172, 69) }
```

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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