

Converting Colors

Yxy(35.6226, 0.3349, 0.5369)

Have a look what the booklet for
Yxy(35.6226, 0.3349, 0.5369)
contains.

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Color

Yxy(35.6226, 0.3349, 0.5369)

Conversions

Conversions Part 1

Format	Color
Hex	65B430
RGB	101, 180, 48
RGB Percent	40%, 71%, 19%
CMY	0.6040, 0.2941, 0.8116
CMYK	0.44, 0.00, 0.73, 0.29
HSL	96°, 58%, 45%
HSV	96°, 73%, 71%
XYZ	22.2202, 35.6226, 8.5059
YIQ	141.3310, -4.7120, -57.8000

Conversions

Conversions Part 2

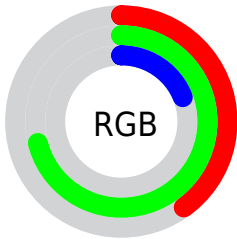
Format	Color
RYB	48, 180, 127
Decimal	6665264
CIELab	66.23, -46.43, 56.28
CIELCh	66, 72.958, 129.520
Yxy	35.6226, 0.3349, 0.5369
Android (android.graphics.Color)	4284855344 (0xFF65B430)
YUV	141.3310, -46.0122, -35.3703
Hunter-Lab	59.6847, -37.9939, 33.3296

Details

The Yxy color **35.6226, 0.3349, 0.5369** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.9319, 0.2504, 0.1377**, and the grayscale version is **26.9589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2393, 0.3365, 0.4933**, and **15.3931, 0.3185, 0.5853** is the 20% darker color. If you saturate the color by 10%, you get **34.9225, 0.3322, 0.5579**, and if you desaturate by 10%, it is **36.4678, 0.3357, 0.5110**.

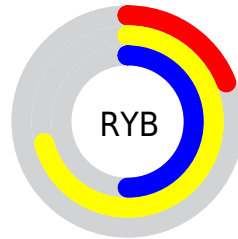
Distribution



Red (40%)

Green (71%)

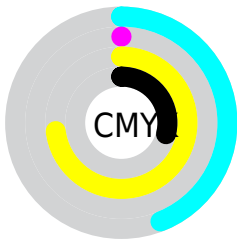
Blue (19%)



Red (19%)

Yellow (71%)

Blue (50%)

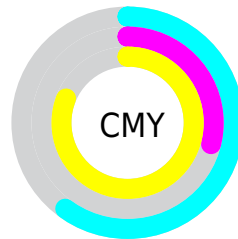


Cyan (44%)

Magenta (0%)

Yellow (73%)

Black (29%)



Cyan (60%)

Magenta (29%)


Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.6226, 0.3349, 0.5369 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 35.6226, 0.3349, 0.5369 by changing the saturation by 10% instead.


 35.6226, 0.3349,
0.5369


 35.6226, 0.3349,
0.5369


 327.3080, 0.3314,
0.4232


 24.1429, 0.3318,
0.5666


 68.4492, 0.3363,
0.4941


 15.4396, 0.3248,
0.6044

 90.5648, 0.3359,
0.4783


 9.1285, 0.3122,
0.6567


 116.9945, 0.3353,
0.4652

 4.8251, 0.2821,
0.7179

 148.1226, 0.3346,
0.4542

 2.1450, 0.2112,
0.7888

 184.3337, 0.3338,
0.4447

 0.6898, 0.0000,
1.0000

 226.0120, 0.3330,

 0.0000, 0.0000,

0.4366

0.0000

273.5420, 0.3322,
0.4295

■ 35.6226, 0.3349,
0.5369

■ 35.6226, 0.3349,
0.5369

■ 34.9225, 0.3322,
0.5579

■ 36.4678, 0.3357,
0.5110

■ 34.3518, 0.3278,
0.5731

■ 37.4628, 0.3348,
0.4819

■ 34.0304, 0.3244,
0.5807

■ 38.6179, 0.3323,
0.4511

■ 39.9406, 0.3287,
0.4203

■ 41.4383, 0.3243,
0.3906

■ 43.1176, 0.3195,
0.3626

■ 44.9849, 0.3144,
0.3370

■ 47.0462, 0.3093,
0.3137

■ 49.3073, 0.3044,
0.2928

Harmonies

Analogous

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



35.6226, 0.4312, 0.5033



35.6226, 0.3349, 0.5369



35.6226, 0.2380, 0.4762

Triad

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



35.6226, 0.3349, 0.5369



35.6226, 0.1432, 0.1885



35.6226, 0.4743, 0.2866

Complementary

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



35.6226, 0.3349, 0.5369



9.9319, 0.2504, 0.1377

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.



35.6226, 0.3664, 0.2272



35.6226, 0.3349, 0.5369



35.6226, 0.1818, 0.1730

Square

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



35.6226, 0.3349, 0.5369



35.6226, 0.1376, 0.2431



35.6226, 0.2573, 0.1871



35.6226, 0.5263, 0.3559

Rectangle

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



35.6226, 0.3349, 0.5369



35.6226, 0.1866, 0.3920



35.6226, 0.2573, 0.1871



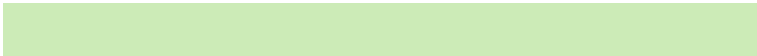
35.6226, 0.4421, 0.2653

Sweetspot

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



35.6241, 0.3349, 0.5369



75.3996, 0.3239, 0.3879



24.5913, 0.4648, 0.4282



16.1320, 0.3251, 0.3956



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.6241, 0.3349, 0.5369



62.6489, 0.3296, 0.5680



33.5910, 0.2977, 0.5454



9.6509, 0.3175, 0.3521



23.7862, 0.3252, 0.5800



0.7828, 0.3488, 0.5613

Inverse Universe

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



9.9319, 0.2504, 0.1377



13.4689, 0.2333, 0.1112



14.6870, 0.3352, 0.1820



8.4733, 0.3076, 0.3061



4.5565, 0.2242, 0.1009



0.1762, 0.2515, 0.1159

Previews

White Background



This preview shows how the Yxy color 35.6226, 0.3349, 0.5369 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 35.6226, 0.3349, 0.5369 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 35.6226, 0.3349, 0.5369

Background



This preview shows how black text looks on a background with the Yxy color 35.6226, 0.3349, 0.5369.



This preview shows how white text looks on a background with the Yxy color 35.6226, 0.3349, 0.5369.

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

35.6226, 0.3349, 0.5369

Protanopia

35.0193, 0.4289, 0.4719

Deuteranopia

35.0516, 0.4485, 0.4387



Tritanopia

35.4790, 0.2645, 0.3090

Trichromacy



Original Color

35.6226, 0.3349, 0.5369

Protanomaly

34.4062, 0.3912, 0.4975

Deuteranomaly

34.0090, 0.4040, 0.4751

Tritanomaly

34.7759, 0.2938, 0.3941

Monochromacy



Original Color

35.6226, 0.3349, 0.5369

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.9398, 0.3273, 0.4122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6226, 0.3349, 0.5369 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(101, 180, 48)` looks like.

```
.text, #text, p{  
    color:rgb(101, 180, 48)  
}
```

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(101, 180, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 180, 48) }
```

Border

The CSS property to change the border of an element to Yxy 35.6226, 0.3349, 0.5369 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(101, 180, 48) }
```

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

```
.border{ border-color:rgb(101, 180, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 180, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 180, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 180, 48);  
box-shadow:4px 4px 4px 4px rgb(101, 180,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6226, 0.3349, 0.5369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 180, 48) }
```

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

```
.background{ background-color: rgb(101,  
180, 48) }
```

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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