

Converting Colors

$Yxy(35.7116, 0.3424, 0.5465)$

Have a look what the booklet for
Yxy(35.7116, 0.3424, 0.5465)
contains.

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Color

Yxy(35.7613, 0.3429, 0.5466)

Conversions

Conversions Part 1

Format	Color
Hex	69B422
RGB	105, 180, 34
RGB Percent	41%, 71%, 13%
CMY	0.5883, 0.2941, 0.8669
CMYK	0.42, 0.00, 0.81, 0.29
HSL	91°, 68%, 42%
HSV	91°, 81%, 71%
XYZ	22.4342, 35.7613, 7.2295
YIQ	140.9310, 2.1660, -61.3060

Conversions

Conversions Part 2

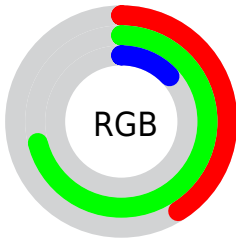
Format	Color
RYB	34, 180, 109
Decimal	6927394
CIELab	66.34, -45.90, 60.97
CIELCh	66, 76.319, 126.971
Yxy	35.7613, 0.3429, 0.5466
Android (android.graphics.Color)	4285117474 (0xFF69B422)
YUV	140.9310, -52.7170, -31.5115
Hunter-Lab	59.8008, -37.6871, 34.6928

Details

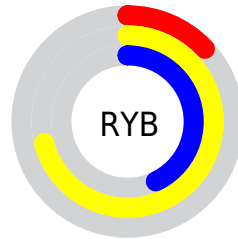
The Yxy color **35.7613, 0.3429, 0.5466** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7.6861, 0.2267, 0.1153**, and the grayscale version is **26.8154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4450, 0.3440, 0.5028**, and **15.5026, 0.3225, 0.5822** is the 20% darker color. If you saturate the color by 10%, you get **35.1552, 0.3393, 0.5623**, and if you desaturate by 10%, it is **36.4857, 0.3444, 0.5256**.

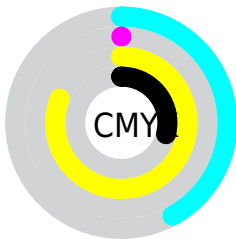
Distribution



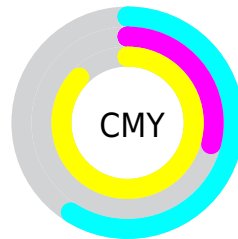
- Red (41%)
- Green (71%)
- Blue (13%)



- Red (13%)
- Yellow (71%)
- Blue (43%)



- Cyan (42%)
- Magenta (0%)
- Yellow (81%)
- Black (29%)





- Cyan (59%)
- Magenta (29%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7613, 0.3429, 0.5466 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 35.7613, 0.3429, 0.5466 by changing the saturation by 10% instead.


 35.7613, 0.3429,
0.5466


 35.7613, 0.3429,
0.5466


327.9160, 0.3367,
0.4289

 24.2499, 0.3398,
0.5764


 68.6635, 0.3437,
0.5028


 15.5191, 0.3324,
0.6135


 90.8230, 0.3430,
0.4866


 9.1845, 0.3217,
0.6697


 117.3008, 0.3420,
0.4729

 4.8617, 0.2850,
0.7150

 148.4811, 0.3410,
0.4614

 2.1664, 0.2165,
0.7835

 184.7484, 0.3398,
0.4515

 0.7016, 0.0000,
1.0000

 226.4871, 0.3387,

 0.0000, 0.0000,

0.4429

0.0000

274.0815, 0.3377,
0.4355

■ 35.7613, 0.3429,
0.5466

■ 35.7613, 0.3429,
0.5466

■ 35.1552, 0.3393,
0.5623

■ 36.4857, 0.3444,
0.5256

■ 34.6979, 0.3349,
0.5723

■ 37.3331, 0.3438,
0.5002

■ 38.3131, 0.3414,
0.4719

■ 39.4329, 0.3373,
0.4423

■ 40.6992, 0.3321,
0.4126

■ 42.1180, 0.3262,
0.3838

■ 43.6951, 0.3199,
0.3568

■ 45.4358, 0.3134,
0.3317

■ 47.3453, 0.3071,
0.3089

Harmonies

Analogous

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



35.7613, 0.4415, 0.5029



35.7613, 0.3429, 0.5466



35.7613, 0.2420, 0.4934

Triad

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



35.7613, 0.3429, 0.5466



35.7613, 0.1361, 0.1863



35.7613, 0.4734, 0.2787

Complementary

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



35.7613, 0.3429, 0.5466



7.6861, 0.2267, 0.1153

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.



35.7613, 0.3580, 0.2191



35.7613, 0.3429, 0.5466



35.7613, 0.1725, 0.1679

Square

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



35.7613, 0.3429, 0.5466



35.7613, 0.1329, 0.2461



35.7613, 0.2467, 0.1802



35.7613, 0.5335, 0.3488

Rectangle

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



35.7613, 0.3429, 0.5466



35.7613, 0.1872, 0.4067



35.7613, 0.2467, 0.1802



35.7613, 0.4382, 0.2572

Sweetspot

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



35.7628, 0.3429, 0.5466



75.4903, 0.3282, 0.3931



20.3303, 0.4988, 0.4162



16.1211, 0.3303, 0.4032



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.



35.7628, 0.3429, 0.5466



63.0352, 0.3354, 0.5704



33.0995, 0.3011, 0.5771



9.6861, 0.3187, 0.3520



24.2549, 0.3358, 0.5716



0.7979, 0.3580, 0.5539

Inverse Universe

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



7.6861, 0.2267, 0.1153



10.4068, 0.2067, 0.0923



14.1409, 0.3205, 0.1640



8.4375, 0.3063, 0.3060



3.9444, 0.2064, 0.0911



0.1587, 0.2374, 0.1081

Previews

White Background



This preview shows how the Yxy color 35.7613, 0.3429, 0.5466 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 35.7613, 0.3429, 0.5466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

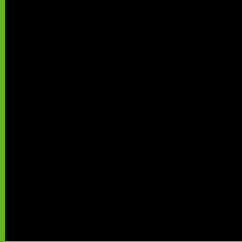
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7613, 0.3429, 0.5466

Background



This preview shows how black text looks on a background with the Yxy color 35.7613, 0.3429, 0.5466.



This preview shows how white text looks on a background with the Yxy color 35.7613, 0.3429, 0.5466.

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

35.7613, 0.3429, 0.5466

Protanopia

35.4022, 0.4343, 0.4801

Deuteranopia

35.0874, 0.4560, 0.4463



Tritanopia

35.7014, 0.2667, 0.3091

Trichromacy



Original Color

35.7613, 0.3429, 0.5466

Protanomaly

34.8765, 0.3978, 0.5066

Deuteranomaly

34.1221, 0.4123, 0.4837

Tritanomaly

34.9151, 0.3009, 0.4022

Monochromacy



Original Color

35.7613, 0.3429, 0.5466

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.9912, 0.3338, 0.4204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7613, 0.3429, 0.5466 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(105, 180, 34)` looks like.

```
.text, #text, p{  
    color:rgb(105, 180, 34)  
}
```

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(105, 180, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 180, 34) }
```

Border

The CSS property to change the border of an element to Yxy 35.7613, 0.3429, 0.5466 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(105, 180, 34) }
```

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

```
.border{ border-color:rgb(105, 180, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 180, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 180, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 180, 34);  
box-shadow:4px 4px 4px 4px rgb(105, 180,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7613, 0.3429, 0.5466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 180, 34) }
```

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

```
.background{ background-color: rgb(105,  
180, 34) }
```

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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