

Converting Colors

$Y_{xy}(34.9770, 0.3715, 0.5915)$

Have a look what the booklet for
Yxy(34.9770, 0.3715, 0.5915)
contains.

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Color

$Y_{xy}(35.2855, 0.3559, 0.5556)$

Conversions

Conversions Part 1

Format	Color
Hex	70B200
RGB	112, 178, 0
RGB Percent	44%, 70%, 0%
CMY	0.5608, 0.3019, 0.9998
CMYK	0.37, 0.00, 1.00, 0.30
HSL	82°, 100%, 35%
HSV	82°, 100%, 70%
XYZ	22.6028, 35.2855, 5.6205
YIQ	137.9740, 17.8020, -69.3500

Conversions

Conversions Part 2

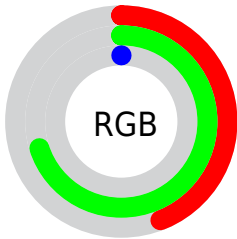
Format	Color
RYB	0, 178, 66
Decimal	7385600
CIELab	65.97, -43.55, 66.86
CIELCh	66, 79.791, 123.077
Yxy	35.2855, 0.3559, 0.5556
Android (android.graphics.Color)	4285575680 (0xFF70B200)
YUV	137.9740, -68.0212, -22.7792
Hunter-Lab	59.4016, -36.0321, 35.9711

Details

The Yxy color **35.2855, 0.3559, 0.5556** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.3758, 0.1802, 0.0767**, and the grayscale version is **25.6680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8165, 0.3555, 0.5116**, and **15.4515, 0.3301, 0.5761** is the 20% darker color. If you saturate the color by 10%, you get **35.2856, 0.3559, 0.5556**, and if you desaturate by 10%, it is **35.7792, 0.3595, 0.5455**.

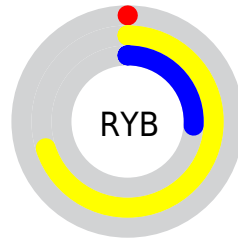
Distribution



Red (44%)

Green (70%)

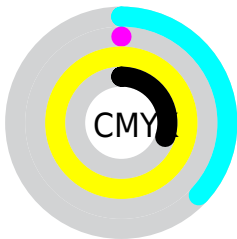
Blue (0%)



Red (0%)

Yellow (70%)

Blue (26%)

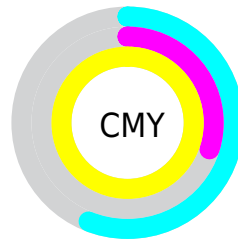


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (56%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2855, 0.3559, 0.5556 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 35.2855, 0.3559, 0.5556 by changing the saturation by 10% instead.


 35.2855, 0.3559,
0.5556


 35.2855, 0.3559,
0.5556


325.8267, 0.3448,
0.4351


 23.8829, 0.3530,
0.5846


 67.9278, 0.3557,
0.5117


 15.2468, 0.3452,
0.6195


 89.9363, 0.3543,
0.4951


 8.9928, 0.3320,
0.6680


 116.2489, 0.3528,
0.4810

 4.7365, 0.2938,
0.7062

 147.2499, 0.3511,
0.4691

 2.0935, 0.2277,
0.7723

 183.3238, 0.3494,
0.4588

 0.6610, 0.0000,
1.0000

 224.8550, 0.3478,

 0.0000, 0.0000,

0.4498

0.0000

272.2278, 0.3463,
0.4420

■ 35.2855, 0.3559,
0.5556

■ 35.2855, 0.3559,
0.5556

■ 35.2856, 0.3559,
0.5556

■ 35.7792, 0.3595,
0.5455

■ 36.3428, 0.3613,
0.5312

■ 36.9934, 0.3607,
0.5121

■ 37.7386, 0.3578,
0.4889

■ 38.5852, 0.3528,
0.4629

■ 39.5389, 0.3462,
0.4353

■ 40.6051, 0.3385,
0.4073

■ 41.7888, 0.3301,
0.3798

■ 43.0945, 0.3214,
0.3535

Harmonies

Analogous

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



35.2855, 0.4566, 0.4983



35.2855, 0.3559, 0.5556



35.2855, 0.2504, 0.5173

Triad

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



35.2855, 0.3559, 0.5556



35.2855, 0.1276, 0.1856



35.2855, 0.4675, 0.2672

Complementary

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



35.2855, 0.3559, 0.5556



4.3758, 0.1802, 0.0767

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.



35.2855, 0.3431, 0.2082



35.2855, 0.3559, 0.5556



35.2855, 0.1603, 0.1626

Square

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



35.2855, 0.3559, 0.5556



35.2855, 0.1284, 0.2536



35.2855, 0.2311, 0.1716



35.2855, 0.5402, 0.3379

Rectangle

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



35.2855, 0.3559, 0.5556



35.2855, 0.1909, 0.4301



35.2855, 0.2311, 0.1716



35.2855, 0.4284, 0.2457

Sweetspot

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



35.2870, 0.3559, 0.5556



73.5202, 0.3389, 0.4088



13.2808, 0.5783, 0.3790



16.1052, 0.3422, 0.4205



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.



35.2870, 0.3559, 0.5556



63.8507, 0.3549, 0.5564



32.0337, 0.3037, 0.5971



9.7460, 0.3208, 0.3519



25.2829, 0.3566, 0.5551



0.8274, 0.3745, 0.5409

Inverse Universe

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



4.3758, 0.1802, 0.0767



7.8107, 0.1785, 0.0757



10.1129, 0.2876, 0.1358



8.3785, 0.3041, 0.3059



3.1624, 0.1813, 0.0772



0.1334, 0.2152, 0.0959

Previews

White Background



This preview shows how the Yxy color 35.2855, 0.3559, 0.5556 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 35.2855, 0.3559, 0.5556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

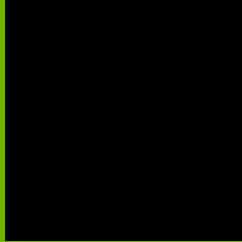
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2855, 0.3559, 0.5556

Background



This preview shows how black text looks on a background with the Yxy color 35.2855, 0.3559, 0.5556.



This preview shows how white text looks on a background with the Yxy color 35.2855, 0.3559, 0.5556.

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

35.2855, 0.3559, 0.5556

Protanopia

34.8449, 0.4402, 0.4886

Deuteranopia

34.6721, 0.4632, 0.4530



Tritanopia

34.9902, 0.2722, 0.3077

Trichromacy



Original Color

35.2855, 0.3559, 0.5556

Protanomaly

34.6060, 0.4069, 0.5151

Deuteranomaly

33.9827, 0.4239, 0.4924

Tritanomaly

34.2494, 0.3170, 0.4221

Monochromacy



Original Color

35.2855, 0.3559, 0.5556

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

28.1542, 0.3477, 0.4409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2855, 0.3559, 0.5556 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(112, 178, 0)` looks like.

```
.text, #text, p{  
  color:rgb(112, 178, 0)  
}
```

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(112, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 178, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.2855, 0.3559, 0.5556 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(112, 178, 0) }
```

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

```
.border{ border-color:rgb(112, 178, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 178, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 178,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2855, 0.3559, 0.5556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 178, 0) }
```

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

```
.background{ background-color: rgb(112,  
178, 0) }
```

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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