

Converting Colors

$Y_{xy}(35.2561, 0.3525, 0.5583)$

Have a look what the booklet for
Yxy(35.2561, 0.3525, 0.5583)
contains.

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Color

Yxy(35.4283, 0.3518, 0.5588)

Conversions

Conversions Part 1

Format	Color
Hex	6CB300
RGB	108, 179, 0
RGB Percent	42%, 70%, 0%
CMY	0.5765, 0.2980, 0.9992
CMYK	0.40, 0.00, 1.00, 0.30
HSL	84°, 100%, 35%
HSV	84°, 100%, 70%
XYZ	22.3044, 35.4283, 5.6680
YIQ	137.3650, 15.1430, -70.7210

Conversions

Conversions Part 2

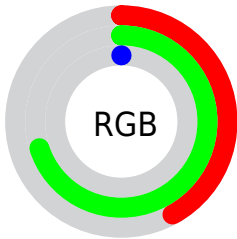
Format	Color
RYB	0, 179, 71
Decimal	7123712
CIELab	66.08, -45.39, 66.84
CIELCh	66, 80.797, 124.180
Yxy	35.4283, 0.3518, 0.5588
Android (android.graphics.Color)	4285313792 (0xFF6CB300)
YUV	137.3650, -67.7209, -25.7531
Hunter-Lab	59.5217, -37.2742, 36.0192

Details

The Yxy color **35.4283, 0.3518, 0.5588** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.6069, 0.1843, 0.0790**, and the grayscale version is **25.4279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9518, 0.3522, 0.5140**, and **15.5747, 0.3251, 0.5801** is the 20% darker color. If you saturate the color by 10%, you get **35.4244, 0.3518, 0.5589**, and if you desaturate by 10%, it is **35.9375, 0.3557, 0.5484**.

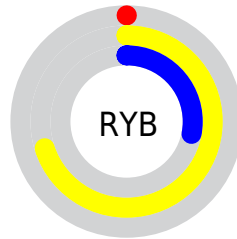
Distribution



Red (42%)

Green (70%)

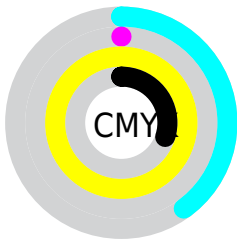
Blue (0%)



Red (0%)

Yellow (70%)

Blue (28%)

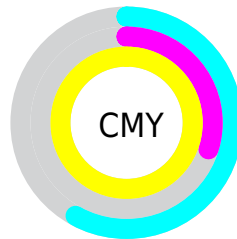


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (58%)

Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4283, 0.3518, 0.5588 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 35.4283, 0.3518, 0.5588 by changing the saturation by 10% instead.


 35.4283, 0.3518,
0.5588

 35.4283, 0.3518,
0.5588


 326.4548, 0.3430,
0.4362


 23.9930, 0.3483,
0.5885


 68.1487, 0.3524,
0.5140


 15.3284, 0.3398,
0.6243


 90.2027, 0.3514,
0.4971


 9.0502, 0.3255,
0.6745


 116.5649, 0.3501,
0.4828

 4.7739, 0.2860,
0.7140

 147.6199, 0.3486,
0.4707

 2.1152, 0.2163,
0.7837

 183.7519, 0.3472,
0.4602

 0.6732, 0.0000,
1.0000

 225.3455, 0.3457,

 0.0000, 0.0000,

0.4511

0.0000

272.7850, 0.3443,
0.4432

■ 35.4283, 0.3518,
0.5588

■ 35.4283, 0.3518,
0.5588

■ 35.4244, 0.3518,
0.5589

■ 35.9375, 0.3557,
0.5484

■ 36.5221, 0.3579,
0.5336

■ 37.1994, 0.3576,
0.5140

■ 37.9773, 0.3551,
0.4903

■ 38.8627, 0.3505,
0.4638

■ 39.8617, 0.3444,
0.4358

■ 40.9798, 0.3371,
0.4074

■ 42.2222, 0.3292,
0.3797

■ 43.5936, 0.3209,
0.3534

Harmonies

Analogous

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



35.4283, 0.4540, 0.5023



35.4283, 0.3518, 0.5588



35.4283, 0.2458, 0.5159

Triad

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



35.4283, 0.3518, 0.5588



35.4283, 0.1268, 0.1827



35.4283, 0.4732, 0.2690

Complementary

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



35.4283, 0.3518, 0.5588



4.6069, 0.1843, 0.0790

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.



35.4283, 0.3480, 0.2090



35.4283, 0.3518, 0.5588



35.4283, 0.1609, 0.1611

Square

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



35.4283, 0.3518, 0.5588



35.4283, 0.1263, 0.2490



35.4283, 0.2338, 0.1712



35.4283, 0.5436, 0.3403

Rectangle

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



35.4283, 0.3518, 0.5588



35.4283, 0.1867, 0.4257



35.4283, 0.2338, 0.1712



35.4283, 0.4342, 0.2472

Sweetspot

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



35.4298, 0.3518, 0.5588



73.2597, 0.3376, 0.4092



13.8092, 0.5736, 0.3826



16.0412, 0.3407, 0.4210



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.



35.4298, 0.3518, 0.5588



63.3072, 0.3507, 0.5597



32.4024, 0.3030, 0.5975



9.7349, 0.3204, 0.3519



25.0699, 0.3525, 0.5583



0.8215, 0.3714, 0.5433

Inverse Universe

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



4.6069, 0.1843, 0.0790



8.1127, 0.1826, 0.0780



10.5429, 0.2918, 0.1381



8.3893, 0.3045, 0.3059



3.2846, 0.1854, 0.0795



0.1377, 0.2191, 0.0981

Previews

White Background



This preview shows how the Yxy color 35.4283, 0.3518, 0.5588 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 35.4283, 0.3518, 0.5588 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 35.4283, 0.3518, 0.5588

Background



This preview shows how black text looks on a background with the Yxy color 35.4283, 0.3518, 0.5588.



This preview shows how white text looks on a background with the Yxy color 35.4283, 0.3518, 0.5588.

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

35.4283, 0.3518, 0.5588

Protanopia

34.8449, 0.4402, 0.4886

Deuteranopia

34.9953, 0.4621, 0.4540



Tritanopia

35.1569, 0.2693, 0.3076

Trichromacy



Original Color

35.4283, 0.3518, 0.5588

Protanomaly

34.5075, 0.4059, 0.5159

Deuteranomaly

34.1141, 0.4207, 0.4949

Tritanomaly

34.4286, 0.3134, 0.4225

Monochromacy



Original Color

35.4283, 0.3518, 0.5588

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

27.5802, 0.3457, 0.4424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4283, 0.3518, 0.5588 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(108, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 179, 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(108, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.4283, 0.3518, 0.5588 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(108, 179, 0) }
```

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

```
.border{ border-color:rgb(108, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 179,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4283, 0.3518, 0.5588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 179, 0) }
```

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

```
.background{ background-color: rgb(108,  
179, 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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