

# Converting Colors

$Y_{xy}(35.3435, 0.3528, 0.5482)$

Have a look what the booklet for  
Yxy(35.3435, 0.3528, 0.5482)  
contains.

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# Color

**Yxy(35.3435, 0.3528, 0.5482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70B216
RGB	112, 178, 22
RGB Percent	44%, 70%, 9%
CMY	0.5609, 0.3019, 0.9136
CMYK	0.37, 0.00, 0.88, 0.30
HSL	85°, 78%, 39%
HSV	85°, 88%, 70%
XYZ	22.7457, 35.3435, 6.3827
YIQ	140.4820, 10.7400, -62.5080

# Conversions

## Conversions Part 2

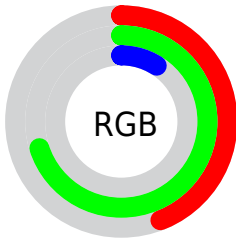
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 178, 88
Decimal	7385622
CIE <sub>Lab</sub>	66.02, -43.09, 63.71
CIE <sub>LCh</sub>	66, 76.916, 124.070
Yxy	35.3435, 0.3528, 0.5482
Android (android.graphics.Color)	4285575702 (0xFF70B216)
YUV	140.4820, -58.4116, -24.9787
Hunter-Lab	59.4504, -35.7442, 35.2498

# Details

The Yxy color **35.3435, 0.3528, 0.5482** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.8661, 0.2031, 0.0964**, and the grayscale version is **26.6523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9365, 0.3524, 0.5048**, and **15.4515, 0.3301, 0.5761** is the 20% darker color. If you saturate the color by 10%, you get **34.8226, 0.3488, 0.5596**, and if you desaturate by 10%, it is **35.9540, 0.3547, 0.5318**.

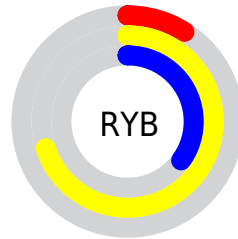
# Distribution



Red (44%)

Green (70%)

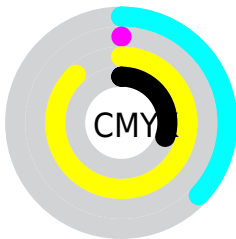
Blue (9%)



Red (9%)

Yellow (70%)

Blue (35%)

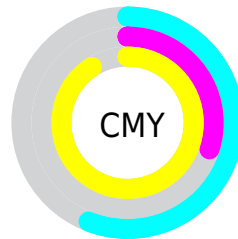


Cyan (37%)

Magenta (0%)

Yellow (88%)

Black (30%)



Cyan (56%)

Magenta (30%)

Yellow (91%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3435, 0.3528, 0.5482 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 35.3435, 0.3528, 0.5482 by changing the saturation by 10% instead.





 35.3435, 0.3528,  
0.5482


 35.3435, 0.3528,  
0.5482


 326.0819, 0.3421,  
0.4308

 23.9276, 0.3504,  
0.5771


 68.0176, 0.3523,  
0.5051

 15.2799, 0.3435,  
0.6124


 90.0445, 0.3510,  
0.4888


 9.0161, 0.3338,  
0.6662


 116.3773, 0.3495,  
0.4752

 4.7517, 0.2961,  
0.7039

 147.4002, 0.3479,  
0.4636

 2.1023, 0.2315,  
0.7685

 183.4978, 0.3464,  
0.4536

 0.6659, 0.0000,  
1.0000

 225.0543, 0.3449,

 0.0000, 0.0000,

0.4450

0.0000

272.4542, 0.3435,  
0.4375

■ 35.3435, 0.3528,  
0.5482

■ 35.3435, 0.3528,  
0.5482

■ 34.8226, 0.3488,  
0.5596

■ 35.9540, 0.3547,  
0.5318

■ 34.7071, 0.3478,  
0.5621

■ 36.6611, 0.3543,  
0.5107

■ 37.4739, 0.3517,  
0.4858

■ 38.3992, 0.3472,  
0.4584

■ 39.4430, 0.3412,  
0.4299

■ 40.6109, 0.3342,  
0.4013

■ 41.9081, 0.3266,  
0.3737

■ 43.3392, 0.3187,  
0.3476

■ 44.9087, 0.3109,  
0.3234

# Harmonies

## Analogous

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



35.3435, 0.4510, 0.4972



35.3435, 0.3528, 0.5482



35.3435, 0.2502, 0.5059

# Triad

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



35.3435, 0.3528, 0.5482



35.3435, 0.1329, 0.1887



35.3435, 0.4655, 0.2717

# Complementary

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



35.3435, 0.3528, 0.5482



5.8661, 0.2031, 0.0964

# 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.



35.3435, 0.3464, 0.2132



35.3435, 0.3528, 0.5482



35.3435, 0.1661, 0.1669

# Square

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



35.3435, 0.3528, 0.5482



35.3435, 0.1328, 0.2537



35.3435, 0.2369, 0.1765



35.3435, 0.5336, 0.3415



# Rectangle

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



35.3435, 0.3528, 0.5482



35.3435, 0.1927, 0.4215



35.3435, 0.2369, 0.1765



35.3435, 0.4284, 0.2504

# Sweetspot

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



35.3450, 0.3528, 0.5482



73.9044, 0.3333, 0.3980



16.3425, 0.5343, 0.3984



16.2052, 0.3358, 0.4077



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.



35.3450, 0.3528, 0.5482



62.7957, 0.3467, 0.5629



32.2592, 0.3041, 0.5852



9.7239, 0.3200, 0.3519



24.8688, 0.3485, 0.5615



0.8159, 0.3683, 0.5458



# Inverse Universe

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



5.8661, 0.2031, 0.0964



8.4380, 0.1869, 0.0803



11.7894, 0.3027, 0.1497



8.4001, 0.3049, 0.3059



3.4156, 0.1897, 0.0819



0.1421, 0.2231, 0.1003



# Previews

## White Background



This preview shows how the Yxy color 35.3435, 0.3528, 0.5482 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 35.3435, 0.3528, 0.5482 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 35.3435, 0.3528, 0.5482**

## Background



This preview shows how black text looks on a background with the Yxy color 35.3435, 0.3528, 0.5482.



This preview shows how white text looks on a background with the Yxy color 35.3435, 0.3528, 0.5482.

# 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

35.3435, 0.3528, 0.5482

### Protanopia

34.8823, 0.4377, 0.4849

### Deuteranopia

34.7039, 0.4611, 0.4503



## Tritanopia

35.3524, 0.2723, 0.3093

# Trichromacy



## Original Color

35.3435, 0.3528, 0.5482

## Protanomaly

34.6497, 0.4042, 0.5102

## Deuteranomaly

34.0346, 0.4205, 0.4871

## Tritanomaly

34.4397, 0.3107, 0.4084

# Monochromacy



## Original Color

35.3435, 0.3528, 0.5482

## Achromatopsia

26.2251, 0.3127, 0.3290

## Achromatomaly

28.7201, 0.3406, 0.4268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.3435, 0.3528, 0.5482 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, 22)` looks like.

```
.text, #text, p{  
    color:rgb(112, 178, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 178, 22) }
```

## Border

The CSS property to change the border of an element to Yxy 35.3435, 0.3528, 0.5482 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, 22) }
```

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

```
.border{ border-color:rgb(112, 178, 22) }
```

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, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 178, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 178, 22);  
box-shadow:4px 4px 4px 4px rgb(112, 178,  
22) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.3435, 0.3528, 0.5482 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, 22) }
```

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

```
.background{ background-color: rgb(112,  
178, 22) }
```

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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