

Converting Colors

$Y_{xy}(41.6680, 0.3533, 0.5404)$

Have a look what the booklet for
Yxy(41.6680, 0.3533, 0.5404)
contains.

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Color

Yxy(41.6680, 0.3533, 0.5404)

Conversions

Conversions Part 1

Format	Color
Hex	7CBF23
RGB	124, 191, 35
RGB Percent	49%, 75%, 14%
CMY	0.5139, 0.2509, 0.8628
CMYK	0.35, 0.00, 0.82, 0.25
HSL	86°, 69%, 44%
HSV	86°, 82%, 75%
XYZ	27.2415, 41.6680, 8.1964
YIQ	153.1830, 10.1440, -62.7200

Conversions

Conversions Part 2

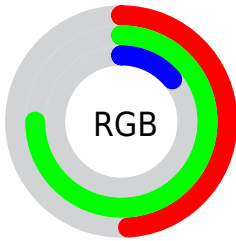
Format	Color
RYB	35, 191, 102
Decimal	8175395
CIELab	70.64, -43.79, 64.93
CIELCh	71, 78.322, 123.997
Yxy	41.6680, 0.3533, 0.5404
Android (android.graphics.Color)	4286365475 (0xFF7CBF23)
YUV	153.1830, -58.2642, -25.5935
Hunter-Lab	64.5508, -37.6338, 37.6572

Details

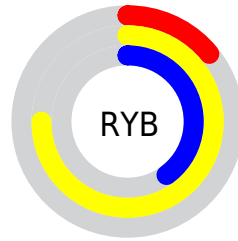
The Yxy color **41.6680, 0.3533, 0.5404** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **7.7921, 0.2114, 0.1063**, and the grayscale version is **32.1914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7848, 0.3519, 0.5004**, and **19.0846, 0.3368, 0.5708** is the 20% darker color. If you saturate the color by 10%, you get **40.9994, 0.3503, 0.5546**, and if you desaturate by 10%, it is **42.4529, 0.3540, 0.5211**.

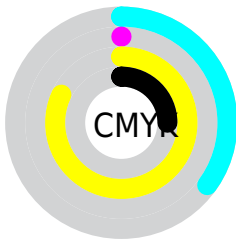
Distribution



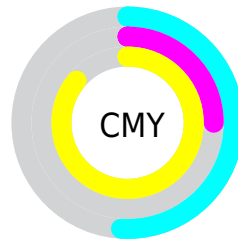
- Red (49%)
- Green (75%)
- Blue (14%)



- Red (14%)
- Yellow (75%)
- Blue (40%)



- Cyan (35%)
- Magenta (0%)
- Yellow (82%)
- Black (25%)





- Cyan (51%)
- Magenta (25%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6680, 0.3533, 0.5404 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 41.6680, 0.3533, 0.5404 by changing the saturation by 10% instead.


 41.6680, 0.3533,
0.5404


 41.6680, 0.3533,
0.5404


353.1048, 0.3421,
0.4299


 28.8414, 0.3518,
0.5670

 77.6969, 0.3522,
0.5004

 18.9609, 0.3469,
0.5995


 101.6680, 0.3508,
0.4852

 11.6420, 0.3375,
0.6426


 130.1228, 0.3493,
0.4723

 6.5004, 0.3126,
0.6874

 163.4455, 0.3478,
0.4613

 3.1517, 0.2641,
0.7359

 202.0207, 0.3462,
0.4518

 1.2114, 0.0401,
0.9599

 246.2328, 0.3448,

 0.0710, 0.0000,

0.4436

1.0000

296.4660, 0.3434,
0.4363

■ 0.0000, 0.0000,
0.0000

■ 41.6680, 0.3533,
0.5404

■ 41.6680, 0.3533,
0.5404

■ 40.9994, 0.3503,
0.5546

■ 42.4529, 0.3540,
0.5211

■ 40.5124, 0.3465,
0.5631

■ 43.3585, 0.3524,
0.4974

■ 44.3953, 0.3488,
0.4707

■ 45.5708, 0.3434,
0.4422

■ 46.8919, 0.3369,
0.4134

■ 48.3648, 0.3295,
0.3851

■ 49.9955, 0.3218,
0.3582

■ 51.7894, 0.3140,
0.3330

■ 53.7519, 0.3064,
0.3099

Harmonies

Analogous

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



41.6680, 0.4485, 0.4932



41.6680, 0.3533, 0.5404



41.6680, 0.2533, 0.4987

Triad

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



41.6680, 0.3533, 0.5404



41.6680, 0.1374, 0.1931



41.6680, 0.4599, 0.2736

Complementary

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



41.6680, 0.3533, 0.5404



7.7921, 0.2114, 0.1063

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.



41.6680, 0.3453, 0.2164



41.6680, 0.3533, 0.5404



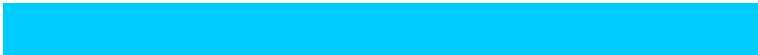
41.6680, 0.1700, 0.1712

Square

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



41.6680, 0.3533, 0.5404



41.6680, 0.1377, 0.2570



41.6680, 0.2392, 0.1805



41.6680, 0.5262, 0.3422

Rectangle

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



41.6680, 0.3533, 0.5404



41.6680, 0.1971, 0.4183



41.6680, 0.2392, 0.1805



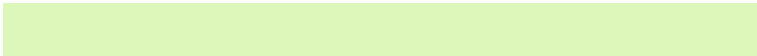
41.6680, 0.4242, 0.2528

Sweetspot

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



41.6698, 0.3533, 0.5404



85.5966, 0.3323, 0.3955



20.3143, 0.5188, 0.4000



18.5913, 0.3349, 0.4056



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



41.6698, 0.3533, 0.5404



72.6008, 0.3465, 0.5621



38.0164, 0.3052, 0.5757



10.9108, 0.3200, 0.3521



26.6689, 0.3474, 0.5624



1.0825, 0.3644, 0.5488

Inverse Universe

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



7.7921, 0.2114, 0.1063



10.1042, 0.1898, 0.0826



14.4303, 0.3038, 0.1545



9.4204, 0.3049, 0.3058



3.6993, 0.1906, 0.0824



0.1836, 0.2187, 0.0978

Previews

White Background



This preview shows how the Yxy color 41.6680, 0.3533, 0.5404 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 41.6680, 0.3533, 0.5404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

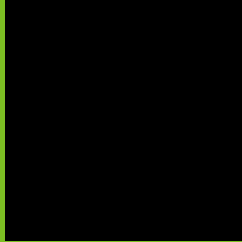
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6680, 0.3533, 0.5404

Background



This preview shows how black text looks on a background with the Yxy color 41.6680, 0.3533, 0.5404.



This preview shows how white text looks on a background with the Yxy color 41.6680, 0.3533, 0.5404.

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

41.6680, 0.3533, 0.5404

Protanopia

41.0681, 0.4355, 0.4804

Deuteranopia

41.0236, 0.4577, 0.4472



Tritanopia

41.4862, 0.2740, 0.3092

Trichromacy



Original Color

41.6680, 0.3533, 0.5404

Protanomaly

40.7795, 0.4041, 0.5032

Deuteranomaly

40.1439, 0.4186, 0.4809

Tritanomaly

40.8505, 0.3101, 0.4026

Monochromacy



Original Color

41.6680, 0.3533, 0.5404

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

34.5140, 0.3378, 0.4196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6680, 0.3533, 0.5404 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(124, 191, 35)` looks like.

```
.text, #text, p{  
    color:rgb(124, 191, 35)  
}
```

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(124, 191, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 191, 35) }
```

Border

The CSS property to change the border of an element to Yxy 41.6680, 0.3533, 0.5404 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(124, 191, 35) }
```

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

```
.border{ border-color:rgb(124, 191, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 191, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 191, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 191, 35);  
box-shadow:4px 4px 4px 4px rgb(124, 191,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6680, 0.3533, 0.5404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 191, 35) }
```

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

```
.background{ background-color: rgb(124,  
191, 35) }
```

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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