

Converting Colors

$Yxy(35.0363, 0.3580, 0.5380)$

Have a look what the booklet for
Yxy(35.0363, 0.3580, 0.5380)
contains.

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Color

Yxy(35.0663, 0.3584, 0.5378)

Conversions

Conversions Part 1

Format	Color
Hex	77B01E
RGB	119, 176, 30
RGB Percent	47%, 69%, 12%
CMY	0.5333, 0.3098, 0.8821
CMYK	0.32, 0.00, 0.83, 0.31
HSL	83°, 71%, 40%
HSV	83°, 83%, 69%
XYZ	23.3688, 35.0663, 6.7681
YIQ	142.3130, 12.8940, -57.4900

Conversions

Conversions Part 2

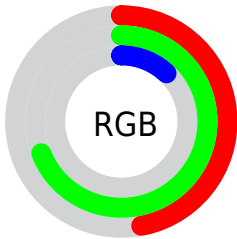
Format	Color
RYB	30, 176, 87
Decimal	7843870
CIELab	65.80, -39.35, 61.81
CIELCh	66, 73.274, 122.484
Yxy	35.0663, 0.3584, 0.5378
Android (android.graphics.Color)	4286033950 (0xFF77B01E)
YUV	142.3130, -55.3703, -20.4455
Hunter-Lab	59.2168, -33.1876, 34.6753

Details

The Yxy color **35.0663, 0.3584, 0.5378** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.0942, 0.2042, 0.1017**, and the grayscale version is **27.4045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6646, 0.3566, 0.4969**, and **15.2227, 0.3406, 0.5677** is the 20% darker color. If you saturate the color by 10%, you get **34.5326, 0.3557, 0.5509**, and if you desaturate by 10%, it is **35.6884, 0.3588, 0.5197**.

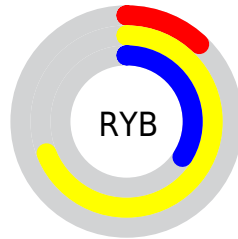
Distribution



Red (47%)

Green (69%)

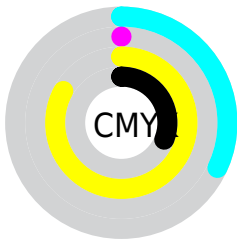
Blue (12%)



Red (12%)

Yellow (69%)

Blue (34%)

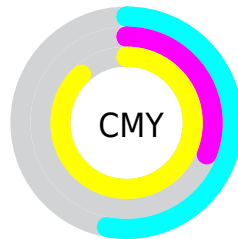


Cyan (32%)

Magenta (0%)

Yellow (83%)

Black (31%)



Cyan (53%)


Magenta (31%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0663, 0.3584, 0.5378 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 35.0663, 0.3584, 0.5378 by changing the saturation by 10% instead.


 35.0663, 0.3584,
0.5378


 35.0663, 0.3584,
0.5378


324.8609, 0.3439,
0.4262

 23.7140, 0.3573,
0.5654


 67.5885, 0.3562,
0.4968


 15.1216, 0.3525,
0.5992


 89.5271, 0.3543,
0.4814

 8.9047, 0.3470,
0.6530


 115.7632, 0.3524,
0.4684

 4.6791, 0.3121,
0.6879

 146.6813, 0.3505,
0.4574

 2.0602, 0.2541,
0.7459

 182.6657, 0.3487,
0.4479

 0.6421, 0.0000,
1.0000

 224.1008, 0.3470,

 0.0000, 0.0000,

0.4397

0.0000

271.3711, 0.3454,
0.4325

■ 35.0663, 0.3584,
0.5378

■ 35.0663, 0.3584,
0.5378

■ 34.5326, 0.3557,
0.5509

■ 35.6884, 0.3588,
0.5197

■ 34.1941, 0.3529,
0.5580

■ 36.4024, 0.3568,
0.4972

■ 37.2166, 0.3527,
0.4716

■ 38.1371, 0.3468,
0.4440

■ 39.1692, 0.3398,
0.4158

■ 40.3179, 0.3318,
0.3879

■ 41.5879, 0.3235,
0.3611

■ 42.9836, 0.3152,
0.3360

■ 44.5090, 0.3069,
0.3128

Harmonies

Analogous

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



35.0663, 0.4521, 0.4887



35.0663, 0.3584, 0.5378



35.0663, 0.2587, 0.5016

Triad

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



35.0663, 0.3584, 0.5378



35.0663, 0.1378, 0.1962



35.0663, 0.4535, 0.2709

Complementary

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



35.0663, 0.3584, 0.5378



6.0942, 0.2042, 0.1017

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.



35.0663, 0.3392, 0.2148



35.0663, 0.3584, 0.5378



35.0663, 0.1685, 0.1726

Square

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



35.0663, 0.3584, 0.5378



35.0663, 0.1399, 0.2624



35.0663, 0.2354, 0.1803



35.0663, 0.5229, 0.3389

Rectangle

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



35.0663, 0.3584, 0.5378



35.0663, 0.2018, 0.4242



35.0663, 0.2354, 0.1803



35.0663, 0.4175, 0.2504

Sweetspot

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



35.0678, 0.3584, 0.5378



72.5782, 0.3339, 0.3948



15.9798, 0.5283, 0.3933



15.5730, 0.3366, 0.4044



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



35.0678, 0.3584, 0.5378



61.8809, 0.3518, 0.5589



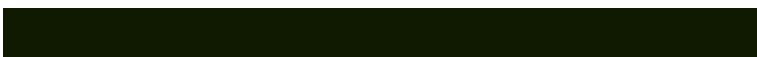
31.7515, 0.3071, 0.5757



9.7377, 0.3205, 0.3519



25.1229, 0.3535, 0.5575



0.8230, 0.3722, 0.5427

Inverse Universe

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



6.0942, 0.2042, 0.1017



7.8397, 0.1816, 0.0774



11.4341, 0.2968, 0.1502



8.3866, 0.3044, 0.3059



3.2527, 0.1843, 0.0789



0.1366, 0.2181, 0.0975

Previews

White Background



This preview shows how the Yxy color 35.0663, 0.3584, 0.5378 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 35.0663, 0.3584, 0.5378 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 35.0663, 0.3584, 0.5378

Background



This preview shows how black text looks on a background with the Yxy color 35.0663, 0.3584, 0.5378.



This preview shows how white text looks on a background with the Yxy color 35.0663, 0.3584, 0.5378.

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

35.0663, 0.3584, 0.5378

Protanopia

34.7955, 0.4345, 0.4825

Deuteranopia

34.5944, 0.4582, 0.4485



Tritanopia

34.9595, 0.2775, 0.3093

Trichromacy



Original Color

35.0663, 0.3584, 0.5378

Protanomaly

34.5197, 0.4050, 0.5040

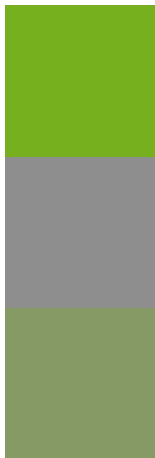
Deuteranomaly

33.9460, 0.4212, 0.4809

Tritanomaly

34.2063, 0.3147, 0.4010

Monochromacy



Original Color

35.0663, 0.3584, 0.5378

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

29.1191, 0.3413, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0663, 0.3584, 0.5378 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(119, 176, 30)` looks like.

```
.text, #text, p{  
    color:rgb(119, 176, 30)  
}
```

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(119, 176, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 176, 30) }
```

Border

The CSS property to change the border of an element to Yxy 35.0663, 0.3584, 0.5378 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(119, 176, 30) }
```

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

```
.border{ border-color:rgb(119, 176, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 176, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 176, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 176, 30);  
box-shadow:4px 4px 4px 4px rgb(119, 176,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0663, 0.3584, 0.5378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 176, 30) }
```

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

```
.background{ background-color: rgb(119,  
176, 30) }
```

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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