

Converting Colors

$Y_{xy}(35.6465, 0.3776, 0.5384)$

Have a look what the booklet for
Yxy(35.6465, 0.3776, 0.5384)
contains.

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Color

Yxy(35.6465, 0.3776, 0.5384)

Conversions

Conversions Part 1

Format	Color
Hex	85AF00
RGB	133, 175, 0
RGB Percent	52%, 69%, 0%
CMY	0.4785, 0.3137, 1.0000
CMYK	0.24, 0.00, 1.00, 0.31
HSL	74°, 100%, 34%
HSV	74°, 100%, 69%
XYZ	25.0002, 35.6465, 5.5615
YIQ	142.4920, 31.1430, -63.3290

Conversions

Conversions Part 2

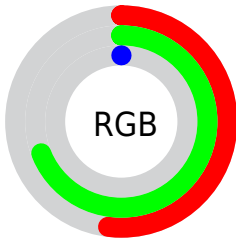
Format	Color
RYB	0, 175, 42
Decimal	8761088
CIELab	66.25, -34.16, 67.60
CIELCh	66, 75.743, 116.809
Yxy	35.6465, 0.3776, 0.5384
Android (android.graphics.Color)	4286951168 (0xFF85AF00)
YUV	142.4920, -70.2486, -8.3245
Hunter-Lab	59.7047, -29.7397, 36.2704

Details

The Yxy color **35.6465, 0.3776, 0.5384** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.5884, 0.1638, 0.0676**, and the grayscale version is **27.5302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6348, 0.3724, 0.4997**, and **15.4968, 0.3581, 0.5539** is the 20% darker color. If you saturate the color by 10%, you get **35.6482, 0.3776, 0.5384**, and if you desaturate by 10%, it is **36.0391, 0.3793, 0.5302**.

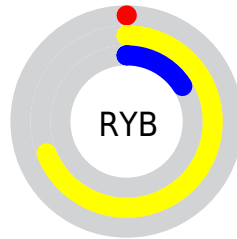
Distribution



Red (52%)

Green (69%)

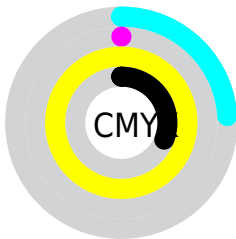
Blue (0%)



Red (0%)

Yellow (69%)

Blue (16%)

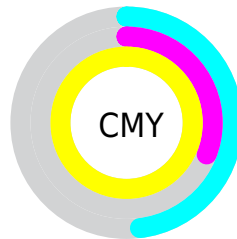


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (48%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6465, 0.3776, 0.5384 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 35.6465, 0.3776, 0.5384 by changing the saturation by 10% instead.


 35.6465, 0.3776,
0.5384


 35.6465, 0.3776,
0.5384


327.4128, 0.3546,
0.4298

 24.1613, 0.3779,
0.5634


 68.4861, 0.3728,
0.4997

 15.4533, 0.3745,
0.5929

 90.6093, 0.3699,
0.4847


 9.1382, 0.3672,
0.6328


 117.0473, 0.3669,
0.4720

 4.8314, 0.3376,
0.6624

 148.1844, 0.3641,
0.4611

 2.1487, 0.2897,
0.7103

 184.4052, 0.3614,
0.4516

 0.6918, 0.0000,
1.0000

 226.0939, 0.3590,

 0.0000, 0.0000,

0.4434

0.0000

273.6350, 0.3567,
0.4362

35.6465, 0.3776,
0.5384

35.6465, 0.3776,
0.5384

35.6482, 0.3776,
0.5384

36.0391, 0.3793,
0.5302

36.4812, 0.3791,
0.5183

36.9891, 0.3763,
0.5018

37.5698, 0.3712,
0.4813

38.2291, 0.3639,
0.4577

■ 38.9724, 0.3550,
0.4321

■ 39.8044, 0.3450,
0.4056

■ 40.7293, 0.3343,
0.3791

■ 41.7512, 0.3235,
0.3534

Harmonies

Analogous

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



35.6465, 0.4700, 0.4772



35.6465, 0.3776, 0.5384



35.6465, 0.2753, 0.5230

Triad

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



35.6465, 0.3776, 0.5384



35.6465, 0.1321, 0.2019



35.6465, 0.4368, 0.2573

Complementary

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



35.6465, 0.3776, 0.5384



3.5884, 0.1638, 0.0676

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.



35.6465, 0.3173, 0.2038



35.6465, 0.3776, 0.5384



35.6465, 0.1570, 0.1712

Square

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



35.6465, 0.3776, 0.5384



35.6465, 0.1406, 0.2790



35.6465, 0.2175, 0.1736



35.6465, 0.5208, 0.3246

Rectangle

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



35.6465, 0.3776, 0.5384



35.6465, 0.2137, 0.4526



35.6465, 0.2175, 0.1736



35.6465, 0.3977, 0.2374

Sweetspot

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



35.6482, 0.3776, 0.5384



71.1990, 0.3455, 0.4070



10.6895, 0.6106, 0.3534



15.6843, 0.3498, 0.4180



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.



35.6482, 0.3776, 0.5384



63.7320, 0.3769, 0.5390



31.2598, 0.3116, 0.5908



9.2319, 0.3227, 0.3517



25.5554, 0.3781, 0.5380



0.7341, 0.3913, 0.5275

Inverse Universe

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



3.5884, 0.1638, 0.0676



6.3416, 0.1625, 0.0669



7.7111, 0.2546, 0.1176



7.8466, 0.3021, 0.3058



2.5940, 0.1647, 0.0681



0.0972, 0.1965, 0.0856

Previews

White Background



This preview shows how the Yxy color 35.6465, 0.3776, 0.5384 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 35.6465, 0.3776, 0.5384 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 35.6465, 0.3776, 0.5384

Background



This preview shows how black text looks on a background with the Yxy color 35.6465, 0.3776, 0.5384.



This preview shows how white text looks on a background with the Yxy color 35.6465, 0.3776, 0.5384.

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

35.6465, 0.3776, 0.5384

Protanopia

35.3135, 0.4401, 0.4887

Deuteranopia

35.1173, 0.4642, 0.4548



Tritanopia

35.6249, 0.2883, 0.3098

Trichromacy



Original Color

35.6465, 0.3776, 0.5384

Protanomaly

35.1649, 0.4173, 0.5069

Deuteranomaly

34.5392, 0.4338, 0.4860

Tritanomaly

34.6469, 0.3372, 0.4162

Monochromacy



Original Color

35.6465, 0.3776, 0.5384

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

29.3384, 0.3565, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6465, 0.3776, 0.5384 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(133, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 175, 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(133, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 175, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.6465, 0.3776, 0.5384 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(133, 175, 0) }
```

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

```
.border{ border-color:rgb(133, 175, 0) }
```

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

Here you see how a box with a 4 pixel rgb(133, 175, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 175,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6465, 0.3776, 0.5384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 175, 0) }
```

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

```
.background{ background-color: rgb(133,  
175, 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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