

Converting Colors

$Y_{xy}(36.1576, 0.3644, 0.5489)$

Have a look what the booklet for
Yxy(36.1576, 0.3644, 0.5489)
contains.

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Color

Yxy(36.3778, 0.3643, 0.5489)

Conversions

Conversions Part 1

Format	Color
Hex	7AB300
RGB	122, 179, 0
RGB Percent	48%, 70%, 0%
CMY	0.5217, 0.2980, 0.9995
CMYK	0.32, 0.00, 1.00, 0.30
HSL	79°, 100%, 35%
HSV	79°, 100%, 70%
XYZ	24.1436, 36.3778, 5.7526
YIQ	141.5510, 23.4870, -67.7530

Conversions

Conversions Part 2

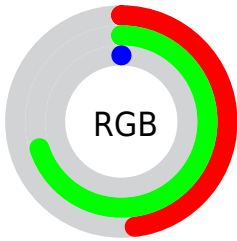
Format	Color
RYB	0, 179, 57
Decimal	8041216
CIELab	66.81, -40.27, 67.73
CIELCh	67, 78.793, 120.737
Yxy	36.3778, 0.3643, 0.5489
Android (android.graphics.Color)	4286231296 (0xFF7AB300)
YUV	141.5510, -69.7846, -17.1462
Hunter-Lab	60.3140, -34.0962, 36.5649

Details

The Yxy color **36.3778, 0.3643, 0.5489** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.1331, 0.1729, 0.0726**, and the grayscale version is **27.1420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5362, 0.3623, 0.5076**, and **16.0455, 0.3410, 0.5675** is the 20% darker color. If you saturate the color by 10%, you get **36.3759, 0.3643, 0.5490**, and if you desaturate by 10%, it is **36.8518, 0.3673, 0.5395**.

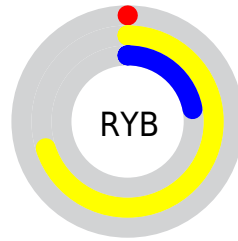
Distribution



Red (48%)

Green (70%)

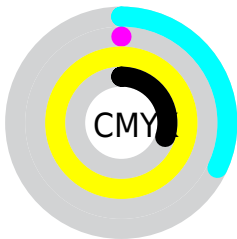
Blue (0%)



Red (0%)

Yellow (70%)

Blue (22%)

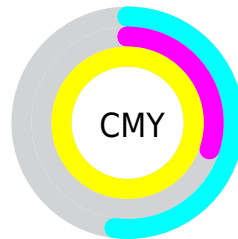


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (52%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3778, 0.3643, 0.5489 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 36.3778, 0.3643, 0.5489 by changing the saturation by 10% instead.


 36.3778, 0.3643,
0.5489


 36.3778, 0.3643,
0.5489


330.6088, 0.3487,
0.4335

 24.7261, 0.3627,
0.5761


 69.6148, 0.3623,
0.5073


 15.8731, 0.3567,
0.6085


 91.9689, 0.3604,
0.4914


 9.4344, 0.3464,
0.6536


 118.6593, 0.3583,
0.4780

 5.0256, 0.3123,
0.6877

 150.0703, 0.3562,
0.4664

 2.2623, 0.2577,
0.7423

 186.5864, 0.3542,
0.4565

 0.7536, 0.0000,
1.0000

 228.5919, 0.3522,

 0.0000, 0.0000,

0.4478

0.0000

276.4712, 0.3504,
0.4402

■ 36.3778, 0.3643,
0.5489

■ 36.3778, 0.3643,
0.5489

■ 36.3759, 0.3643,
0.5490

■ 36.8518, 0.3673,
0.5395

■ 37.3888, 0.3683,
0.5261

■ 38.0057, 0.3669,
0.5080

■ 38.7101, 0.3631,
0.4859

■ 39.5085, 0.3572,
0.4608

■ 40.4066, 0.3497,
0.4340

■ 41.4096, 0.3410,
0.4065

■ 42.5223, 0.3317,
0.3794

■ 43.7492, 0.3222,
0.3534

Harmonies

Analogous

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



36.3778, 0.4619, 0.4901



36.3778, 0.3643, 0.5489



36.3778, 0.2600, 0.5197

Triad

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



36.3778, 0.3643, 0.5489



36.3778, 0.1294, 0.1918



36.3778, 0.4556, 0.2635

Complementary

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



36.3778, 0.3643, 0.5489



4.1331, 0.1729, 0.0726

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.



36.3778, 0.3330, 0.2066



36.3778, 0.3643, 0.5489



36.3778, 0.1590, 0.1659

Square

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



36.3778, 0.3643, 0.5489



36.3778, 0.1330, 0.2632



36.3778, 0.2259, 0.1724



36.3778, 0.5329, 0.3329

Rectangle

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



36.3778, 0.3643, 0.5489



36.3778, 0.1996, 0.4389



36.3778, 0.2259, 0.1724



36.3778, 0.4165, 0.2426

Sweetspot

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



36.3794, 0.3643, 0.5489



74.0453, 0.3416, 0.4081



12.4897, 0.5914, 0.3685



16.2347, 0.3452, 0.4196



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.



36.3794, 0.3643, 0.5489



65.0159, 0.3634, 0.5497



32.5662, 0.3061, 0.5951



9.7681, 0.3216, 0.3518



25.7382, 0.3649, 0.5485



0.8394, 0.3807, 0.5359

Inverse Universe

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



4.1331, 0.1729, 0.0726



7.2847, 0.1713, 0.0717



9.3888, 0.2750, 0.1289



8.3573, 0.3033, 0.3058



2.9476, 0.1739, 0.0732



0.1248, 0.2071, 0.0915

Previews

White Background



This preview shows how the Yxy color 36.3778, 0.3643, 0.5489 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 36.3778, 0.3643, 0.5489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

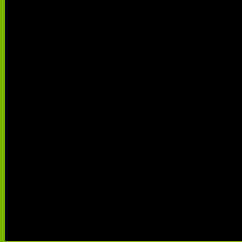
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3778, 0.3643, 0.5489

Background



This preview shows how black text looks on a background with the Yxy color 36.3778, 0.3643, 0.5489.



This preview shows how white text looks on a background with the Yxy color 36.3778, 0.3643, 0.5489.

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

36.3778, 0.3643, 0.5489

Protanopia

35.9079, 0.4410, 0.4880

Deuteranopia

36.0641, 0.4631, 0.4545



Tritanopia

36.1432, 0.2788, 0.3082

Trichromacy



Original Color

36.3778, 0.3643, 0.5489

Protanomaly

35.5823, 0.4121, 0.5110

Deuteranomaly

35.2510, 0.4270, 0.4903

Tritanomaly

35.3502, 0.3243, 0.4194

Monochromacy



Original Color

36.3778, 0.3643, 0.5489

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

29.3318, 0.3517, 0.4379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3778, 0.3643, 0.5489 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(122, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 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(122, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.3778, 0.3643, 0.5489 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(122, 179, 0) }
```

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

```
.border{ border-color:rgb(122, 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(122, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(122, 179,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3778, 0.3643, 0.5489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 179, 0) }
```

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

```
.background{ background-color: rgb(122,  
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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