

Converting Colors

$Yxy(37.3230, 0.3784, 0.5377)$

Have a look what the booklet for
Yxy(37.3230, 0.3784, 0.5377)
contains.

Yxy(37.5586, 0.3785, 0.5377)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5586, 0.3785, 0.5377)

Conversions

Conversions Part 1

Format	Color
Hex	89B300
RGB	137, 179, 0
RGB Percent	54%, 70%, 0%
CMY	0.4627, 0.2980, 1.0000
CMYK	0.23, 0.00, 1.00, 0.30
HSL	74°, 100%, 35%
HSV	74°, 100%, 70%
XYZ	26.4384, 37.5586, 5.8535
YIQ	146.0360, 32.4270, -64.5730

Conversions

Conversions Part 2

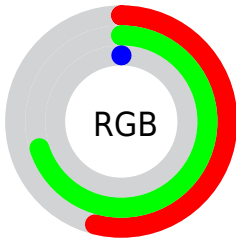
Format	Color
RYB	0, 179, 42
Decimal	9024256
CIELab	67.69, -34.36, 68.82
CIELCh	68, 76.919, 116.533
Yxy	37.5586, 0.3785, 0.5377
Android (android.graphics.Color)	4287214336 (0xFF89B300)
YUV	146.0360, -71.9957, -7.9246
Hunter-Lab	61.2851, -30.2439, 37.2366

Details

The Yxy color **37.5586, 0.3785, 0.5377** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.7466, 0.1631, 0.0672**, and the grayscale version is **29.0536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4361, 0.3731, 0.4997**, and **16.6710, 0.3598, 0.5526** is the 20% darker color. If you saturate the color by 10%, you get **37.5604, 0.3785, 0.5377**, and if you desaturate by 10%, it is **37.9656, 0.3802, 0.5297**.

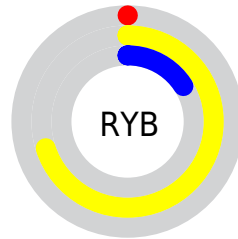
Distribution



Red (54%)

Green (70%)

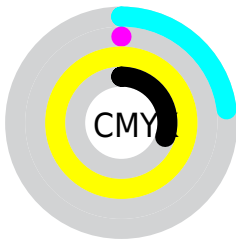
Blue (0%)



Red (0%)

Yellow (70%)

Blue (16%)

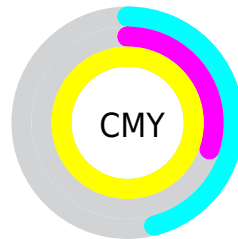


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (46%)


Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5586, 0.3785, 0.5377 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 37.5586, 0.3785, 0.5377 by changing the saturation by 10% instead.


 37.5586, 0.3785,
0.5377


 37.5586, 0.3785,
0.5377


335.7227, 0.3554,
0.4305

 25.6403, 0.3790,
0.5621


 71.4311, 0.3736,
0.4997


 16.5547, 0.3759,
0.5907


 94.1540, 0.3707,
0.4850


 9.9175, 0.3698,
0.6302


 121.2473, 0.3677,
0.4725

 5.3443, 0.3418,
0.6582

 153.0954, 0.3649,
0.4616

 2.4507, 0.2972,
0.7028

 190.0825, 0.3622,
0.4523

 0.8518, 0.0000,
1.0000

 232.5932, 0.3598,

 0.0000, 0.0000,

0.4441

0.0000

281.0118, 0.3575,
0.4369

■ 37.5586, 0.3785,
0.5377

■ 37.5586, 0.3785,
0.5377

■ 37.5604, 0.3785,
0.5377

■ 37.9656, 0.3802,
0.5297

■ 38.4242, 0.3799,
0.5179

■ 38.9515, 0.3771,
0.5015

■ 39.5548, 0.3718,
0.4812

■ 40.2404, 0.3645,
0.4577

■ 41.0137, 0.3555,
0.4321

■ 41.8799, 0.3453,
0.4057

■ 42.8434, 0.3346,
0.3792

■ 43.9085, 0.3236,
0.3535

Harmonies

Analogous

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



37.5586, 0.4705, 0.4764



37.5586, 0.3785, 0.5377



37.5586, 0.2763, 0.5232

Triad

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



37.5586, 0.3785, 0.5377



37.5586, 0.1323, 0.2026



37.5586, 0.4355, 0.2569

Complementary

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



37.5586, 0.3785, 0.5377



3.7466, 0.1631, 0.0672

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.



37.5586, 0.3162, 0.2036



37.5586, 0.3785, 0.5377



37.5586, 0.1568, 0.1715

Square

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



37.5586, 0.3785, 0.5377



37.5586, 0.1411, 0.2801



37.5586, 0.2169, 0.1737



37.5586, 0.5200, 0.3240

Rectangle

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



37.5586, 0.3785, 0.5377



37.5586, 0.2147, 0.4535



37.5586, 0.2169, 0.1737



37.5586, 0.3964, 0.2370

Sweetspot

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



37.5604, 0.3785, 0.5377



74.9222, 0.3459, 0.4070



11.2233, 0.6108, 0.3532



16.4520, 0.3502, 0.4181



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.



37.5604, 0.3785, 0.5377



67.1619, 0.3778, 0.5382



32.8625, 0.3115, 0.5908



9.8042, 0.3228, 0.3517



26.5723, 0.3790, 0.5373



0.8606, 0.3909, 0.5279

Inverse Universe

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



3.7466, 0.1631, 0.0672



6.6252, 0.1619, 0.0665



8.1014, 0.2544, 0.1175



8.3232, 0.3020, 0.3057



2.6729, 0.1641, 0.0677



0.1110, 0.1933, 0.0839

Previews

White Background



This preview shows how the Yxy color 37.5586, 0.3785, 0.5377 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 37.5586, 0.3785, 0.5377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

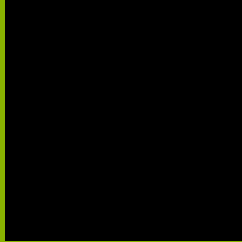
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5586, 0.3785, 0.5377

Background



This preview shows how black text looks on a background with the Yxy color 37.5586, 0.3785, 0.5377.



This preview shows how white text looks on a background with the Yxy color 37.5586, 0.3785, 0.5377.

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

37.5586, 0.3785, 0.5377

Protanopia

37.3494, 0.4407, 0.4883

Deuteranopia

37.1521, 0.4641, 0.4550



Tritanopia

37.3400, 0.2896, 0.3089

Trichromacy



Original Color

37.5586, 0.3785, 0.5377

Protanomaly

37.0743, 0.4173, 0.5069

Deuteranomaly

36.5501, 0.4343, 0.4854

Tritanomaly

36.5667, 0.3375, 0.4157

Monochromacy



Original Color

37.5586, 0.3785, 0.5377

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.0837, 0.3564, 0.4340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5586, 0.3785, 0.5377 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(137, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.5586, 0.3785, 0.5377 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(137, 179, 0) }
```

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

```
.border{ border-color:rgb(137, 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(137, 179, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 179,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5586, 0.3785, 0.5377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 179, 0) }
```

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

```
.background{ background-color: rgb(137,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor