

Converting Colors

$Yxy(38.3465, 0.3626, 0.5503)$

Have a look what the booklet for
Yxy(38.3465, 0.3626, 0.5503)
contains.

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Color

Yxy(38.4919, 0.3621, 0.5507)

Conversions

Conversions Part 1

Format	Color
Hex	7BB800
RGB	123, 184, 0
RGB Percent	48%, 72%, 0%
CMY	0.5176, 0.2784, 1.0000
CMYK	0.33, 0.00, 1.00, 0.28
HSL	80°, 100%, 36%
HSV	80°, 100%, 72%
XYZ	25.3095, 38.4919, 6.0950
YIQ	144.7850, 22.7080, -70.1560

Conversions

Conversions Part 2

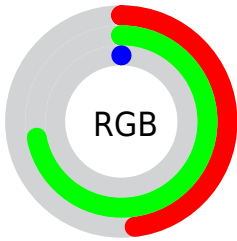
Format	Color
RYB	0, 184, 61
Decimal	8108032
CIELab	68.38, -42.04, 68.98
CIELCh	68, 80.779, 121.360
Yxy	38.4919, 0.3621, 0.5507
Android (android.graphics.Color)	4286298112 (0xFF7BB800)
YUV	144.7850, -71.3790, -19.1054
Hunter-Lab	62.0418, -35.7556, 37.6047

Details

The Yxy color **38.4919, 0.3621, 0.5507** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.4528, 0.1743, 0.0734**, and the grayscale version is **28.5134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5735, 0.3606, 0.5095**, and **17.1235, 0.3396, 0.5685** is the 20% darker color. If you saturate the color by 10%, you get **38.4936, 0.3621, 0.5507**, and if you desaturate by 10%, it is **39.0026, 0.3653, 0.5413**.

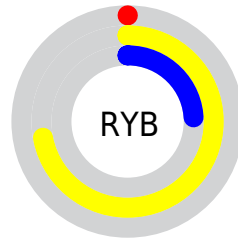
Distribution



Red (48%)

Green (72%)

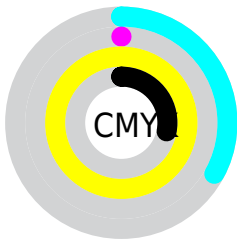
Blue (0%)



Red (0%)

Yellow (72%)

Blue (24%)

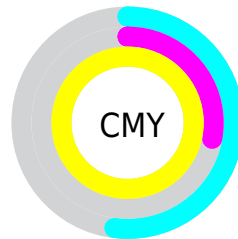


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (52%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4919, 0.3621, 0.5507 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 38.4919, 0.3621, 0.5507 by changing the saturation by 10% instead.

 38.4919, 0.3621,
0.5507


 38.4919, 0.3621,
0.5507


339.7254, 0.3480,
0.4352

 26.3647, 0.3602,
0.5777


 72.8615, 0.3607,
0.5093


 17.0967, 0.3541,
0.6099


 95.8726, 0.3589,
0.4934


 10.3034, 0.3444,
0.6556


 123.2805, 0.3570,
0.4799

 5.6006, 0.3110,
0.6890

 155.4696, 0.3551,
0.4683

 2.6038, 0.2589,
0.7411

 192.8242, 0.3532,
0.4583

 0.9286, 0.0000,
1.0000

 235.7288, 0.3513,

 0.0000, 0.0000,

0.4496

0.0000

284.5677, 0.3496,
0.4419

■ 38.4919, 0.3621,
0.5507

■ 38.4919, 0.3621,
0.5507

■ 38.4936, 0.3621,
0.5507

■ 39.0026, 0.3653,
0.5413

■ 39.5825, 0.3666,
0.5277

■ 40.2495, 0.3654,
0.5094

■ 41.0118, 0.3619,
0.4871

■ 41.8764, 0.3562,
0.4618

■ 42.8496, 0.3489,
0.4347

■ 43.9369, 0.3405,
0.4071

■ 45.1436, 0.3314,
0.3798

■ 46.4743, 0.3221,
0.3536

Harmonies

Analogous

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



38.4919, 0.4605, 0.4923



38.4919, 0.3621, 0.5507



38.4919, 0.2575, 0.5191

Triad

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



38.4919, 0.3621, 0.5507



38.4919, 0.1289, 0.1901



38.4919, 0.4588, 0.2645

Complementary

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



38.4919, 0.3621, 0.5507



4.4528, 0.1743, 0.0734

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.



38.4919, 0.3356, 0.2070



38.4919, 0.3621, 0.5507



38.4919, 0.1593, 0.1650

Square

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



38.4919, 0.3621, 0.5507



38.4919, 0.1318, 0.2606



38.4919, 0.2272, 0.1722



38.4919, 0.5349, 0.3343

Rectangle

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



38.4919, 0.3621, 0.5507



38.4919, 0.1973, 0.4366



38.4919, 0.2272, 0.1722



38.4919, 0.4196, 0.2434

Sweetspot

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



38.4936, 0.3621, 0.5507



79.5409, 0.3410, 0.4085



13.2439, 0.5920, 0.3682



16.9650, 0.3446, 0.4200



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



38.4936, 0.3621, 0.5507



69.6420, 0.3612, 0.5514



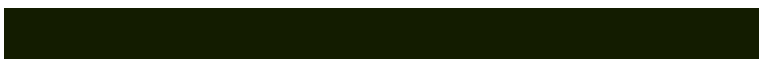
34.6178, 0.3059, 0.5953



10.3502, 0.3214, 0.3519



26.5684, 0.3628, 0.5501



0.9688, 0.3778, 0.5382

Inverse Universe

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



4.4528, 0.1743, 0.0734



7.9555, 0.1728, 0.0726



9.9704, 0.2749, 0.1288



8.8602, 0.3034, 0.3057



3.1036, 0.1755, 0.0740



0.1441, 0.2063, 0.0910

Previews

White Background



This preview shows how the Yxy color 38.4919, 0.3621, 0.5507 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 38.4919, 0.3621, 0.5507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

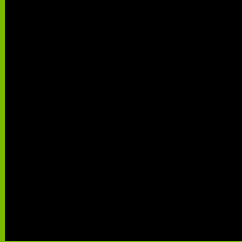
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4919, 0.3621, 0.5507

Background



This preview shows how black text looks on a background with the Yxy color 38.4919, 0.3621, 0.5507.



This preview shows how white text looks on a background with the Yxy color 38.4919, 0.3621, 0.5507.

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

38.4919, 0.3621, 0.5507

Protanopia

37.8372, 0.4405, 0.4884

Deuteranopia

38.1304, 0.4630, 0.4547



Tritanopia

38.3794, 0.2773, 0.3087

Trichromacy



Original Color

38.4919, 0.3621, 0.5507

Protanomaly

37.7797, 0.4103, 0.5124

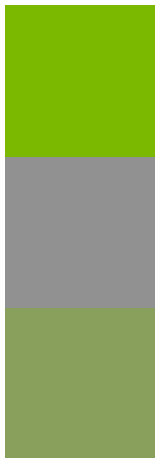
Deuteranomaly

37.1603, 0.4269, 0.4908

Tritanomaly

37.5096, 0.3229, 0.4207

Monochromacy



Original Color

38.4919, 0.3621, 0.5507

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.8873, 0.3505, 0.4392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4919, 0.3621, 0.5507 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(123, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(123, 184, 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(123, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 184, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.4919, 0.3621, 0.5507 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(123, 184, 0) }
```

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

```
.border{ border-color:rgb(123, 184, 0) }
```

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

Here you see how a box with a 4 pixel rgb(123, 184, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(123, 184,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4919, 0.3621, 0.5507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 184, 0) }
```

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

```
.background{ background-color: rgb(123,  
184, 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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