

Converting Colors

$Yxy(41.6856, 0.3765, 0.5443)$

Have a look what the booklet for
Yxy(41.6856, 0.3765, 0.5443)
contains.

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Color

Yxy(41.5419, 0.3748, 0.5406)

Conversions

Conversions Part 1

Format	Color
Hex	8CBC00
RGB	140, 188, 0
RGB Percent	55%, 74%, 0%
CMY	0.4509, 0.2627, 0.9998
CMYK	0.26, 0.00, 1.00, 0.26
HSL	75°, 100%, 37%
HSV	75°, 100%, 74%
XYZ	28.8012, 41.5419, 6.5010
YIQ	152.2160, 31.7400, -68.6440

Conversions

Conversions Part 2

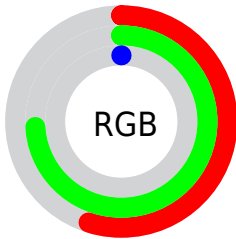
Format	Color
RYB	0, 188, 48
Decimal	9223168
CIELab	70.55, -37.24, 71.06
CIELCh	71, 80.229, 117.658
Yxy	41.5419, 0.3748, 0.5406
Android (android.graphics.Color)	4287413248 (0xFF8CBC00)
YUV	152.2160, -75.0425, -10.7134
Hunter-Lab	64.4530, -33.0291, 39.1369

Details

The Yxy color **41.5419, 0.3748, 0.5406** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.2606, 0.1650, 0.0683**, and the grayscale version is **31.8229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2863, 0.3710, 0.5023**, and **18.8892, 0.3558, 0.5557** is the 20% darker color. If you saturate the color by 10%, you get **41.5428, 0.3748, 0.5406**, and if you desaturate by 10%, it is **42.0163, 0.3769, 0.5324**.

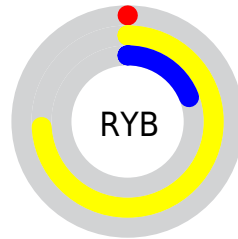
Distribution



Red (55%)

Green (74%)

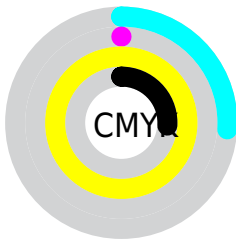
Blue (0%)



Red (0%)

Yellow (74%)

Blue (19%)

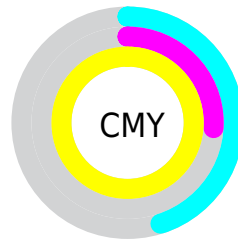


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (45%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5419, 0.3748, 0.5406 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 41.5419, 0.3748, 0.5406 by changing the saturation by 10% instead.

 41.5419, 0.3748,
0.5406

 41.5419, 0.3748,
0.5406


352.5804, 0.3543,
0.4333


 28.7428, 0.3748,
0.5647


 77.5058, 0.3709,
0.5029


 18.8863, 0.3714,
0.5930


 101.4394, 0.3683,
0.4882

 11.5882, 0.3663,
0.6337


 129.8533, 0.3656,
0.4756

 6.4639, 0.3392,
0.6608

 163.1318, 0.3631,
0.4647

 3.1292, 0.2974,
0.7026

 201.6594, 0.3606,
0.4553

 1.1995, 0.1438,
0.8562

 245.8204, 0.3583,

 0.0613, 0.0000,

0.4470

1.0000

295.9993, 0.3562,
0.4397

■ 0.0000, 0.0000,
0.0000

■ 41.5419, 0.3748,
0.5406

■ 41.5419, 0.3748,
0.5406

■ 41.5428, 0.3748,
0.5406

■ 42.0163, 0.3769,
0.5324

■ 42.5520, 0.3771,
0.5203

■ 43.1674, 0.3746,
0.5036

■ 43.8708, 0.3698,
0.4828

■ 44.6695, 0.3628,
0.4589

■ 45.5696, 0.3542,
0.4329

■ 46.5769, 0.3444,
0.4061

■ 47.6965, 0.3339,
0.3794

■ 48.9333, 0.3233,
0.3535

Harmonies

Analogous

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



41.5419, 0.4683, 0.4799



41.5419, 0.3748, 0.5406



41.5419, 0.2720, 0.5223

Triad

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



41.5419, 0.3748, 0.5406



41.5419, 0.1316, 0.1997



41.5419, 0.4408, 0.2586

Complementary

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



41.5419, 0.3748, 0.5406



4.2606, 0.1650, 0.0683

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.



41.5419, 0.3205, 0.2044



41.5419, 0.3748, 0.5406



41.5419, 0.1574, 0.1701

Square

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



41.5419, 0.3748, 0.5406



41.5419, 0.1390, 0.2756



41.5419, 0.2193, 0.1734



41.5419, 0.5234, 0.3264

Rectangle

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



41.5419, 0.3748, 0.5406



41.5419, 0.2107, 0.4498



41.5419, 0.2193, 0.1734



41.5419, 0.4016, 0.2385

Sweetspot

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



41.5438, 0.3748, 0.5406



84.3152, 0.3449, 0.4075



12.7269, 0.6078, 0.3556



17.9618, 0.3491, 0.4189



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.5438, 0.3748, 0.5406



75.1668, 0.3741, 0.5412



36.5716, 0.3101, 0.5920



10.9946, 0.3226, 0.3519



28.3214, 0.3754, 0.5402



1.1389, 0.3864, 0.5314

Inverse Universe

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



4.2606, 0.1650, 0.0683



7.6204, 0.1637, 0.0675



9.2953, 0.2583, 0.1197



9.3399, 0.3022, 0.3056



2.9304, 0.1660, 0.0688



0.1472, 0.1924, 0.0834

Previews

White Background



This preview shows how the Yxy color 41.5419, 0.3748, 0.5406 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 41.5419, 0.3748, 0.5406 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 41.5419, 0.3748, 0.5406

Background



This preview shows how black text looks on a background with the Yxy color 41.5419, 0.3748, 0.5406.



This preview shows how white text looks on a background with the Yxy color 41.5419, 0.3748, 0.5406.

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

41.5419, 0.3748, 0.5406

Protanopia

40.9744, 0.4408, 0.4882

Deuteranopia

41.0674, 0.4649, 0.4544



Tritanopia

41.5022, 0.2866, 0.3096

Trichromacy



Original Color

41.5419, 0.3748, 0.5406

Protanomaly

40.8395, 0.4154, 0.5083

Deuteranomaly

40.3818, 0.4327, 0.4870

Tritanomaly

40.5779, 0.3350, 0.4186

Monochromacy



Original Color

41.5419, 0.3748, 0.5406

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

34.0692, 0.3553, 0.4350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5419, 0.3748, 0.5406 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(140, 188, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 188, 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(140, 188, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 188, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.5419, 0.3748, 0.5406 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(140, 188, 0) }
```

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

```
.border{ border-color:rgb(140, 188, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 188, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 188, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 188, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 188,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5419, 0.3748, 0.5406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 188, 0) }
```

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

```
.background{ background-color: rgb(140,  
188, 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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