

Converting Colors

$Y_{xy}(42.5961, 0.3804, 0.5361)$

Have a look what the booklet for
Yxy(42.5961, 0.3804, 0.5361)
contains.

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Color

Yxy(42.5982, 0.3805, 0.5361)

Conversions

Conversions Part 1

Format	Color
Hex	93BD00
RGB	147, 189, 0
RGB Percent	58%, 74%, 0%
CMY	0.4234, 0.2588, 1.0000
CMYK	0.22, 0.00, 1.00, 0.26
HSL	73°, 100%, 37%
HSV	73°, 100%, 74%
XYZ	30.2343, 42.5982, 6.6269
YIQ	154.8960, 35.6370, -67.6830

Conversions

Conversions Part 2

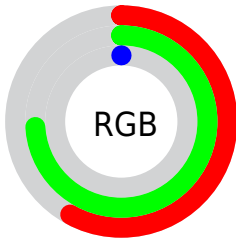
Format	Color
RYB	0, 189, 42
Decimal	9682176
CIELab	71.28, -34.90, 71.81
CIELCh	71, 79.844, 115.916
Yxy	42.5982, 0.3805, 0.5361
Android (android.graphics.Color)	4287872256 (0xFF93BD00)
YUV	154.8960, -76.3637, -6.9248
Hunter-Lab	65.2673, -31.5297, 39.6671

Details

The Yxy color **42.5982, 0.3805, 0.5361** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.1655, 0.1617, 0.0664**, and the grayscale version is **33.0663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8631, 0.3756, 0.4997**, and **19.5016, 0.3632, 0.5498** is the 20% darker color. If you saturate the color by 10%, you get **42.6002, 0.3805, 0.5361**, and if you desaturate by 10%, it is **43.0421, 0.3821, 0.5285**.

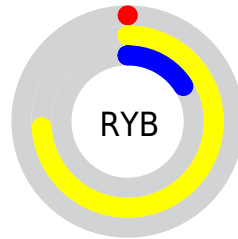
Distribution



Red (58%)

Green (74%)

Blue (0%)



Red (0%)

Yellow (74%)

Blue (16%)

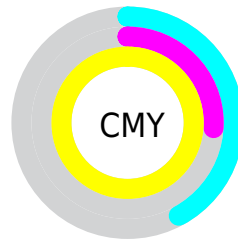


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (42%)


Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5982, 0.3805, 0.5361 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 42.5982, 0.3805, 0.5361 by changing the saturation by 10% instead.


 42.5982, 0.3805,
0.5361

 42.5982, 0.3805,
0.5361


356.9568, 0.3571,
0.4322


 29.5700, 0.3813,
0.5591


 79.1042, 0.3755,
0.4999

 19.5124, 0.3790,
0.5858


 103.3507, 0.3725,
0.4857

 12.0411, 0.3757,
0.6243


 132.1055, 0.3695,
0.4735

 6.7717, 0.3511,
0.6489

 165.7529, 0.3667,
0.4629

 3.3197, 0.3132,
0.6868

 204.6774, 0.3640,
0.4538

 1.3008, 0.2049,
0.7951

 249.2632, 0.3615,

 0.1419, 0.0000,

0.4457

1.0000

299.8949, 0.3592,
0.4386

■ 0.0000, 0.0000,
0.0000

■ 42.5982, 0.3805,
0.5361

■ 42.5982, 0.3805,
0.5361

■ 42.6002, 0.3805,
0.5361

■ 43.0421, 0.3821,
0.5285

■ 43.5436, 0.3817,
0.5171

■ 44.1213, 0.3787,
0.5010

■ 44.7836, 0.3733,
0.4809

■ 45.5378, 0.3657,
0.4576

■ 46.3900, 0.3565,
0.4322

■ 47.3460, 0.3461,
0.4058

■ 48.4110, 0.3351,
0.3793

■ 49.5897, 0.3238,
0.3535

Harmonies

Analogous

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



42.5982, 0.4717, 0.4744



42.5982, 0.3805, 0.5361



42.5982, 0.2786, 0.5236

Triad

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



42.5982, 0.3805, 0.5361



42.5982, 0.1327, 0.2042



42.5982, 0.4327, 0.2559

Complementary

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



42.5982, 0.3805, 0.5361



4.1655, 0.1617, 0.0664

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.



42.5982, 0.3139, 0.2032



42.5982, 0.3805, 0.5361



42.5982, 0.1565, 0.1724

Square

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



42.5982, 0.3805, 0.5361



42.5982, 0.1423, 0.2826



42.5982, 0.2157, 0.1739



42.5982, 0.5180, 0.3227

Rectangle

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



42.5982, 0.3805, 0.5361



42.5982, 0.2169, 0.4555



42.5982, 0.2157, 0.1739



42.5982, 0.3936, 0.2362

Sweetspot

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



42.6002, 0.3805, 0.5361



84.7127, 0.3466, 0.4071



12.4009, 0.6148, 0.3501



18.0577, 0.3511, 0.4183



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.



42.6002, 0.3805, 0.5361



76.1883, 0.3799, 0.5366



37.1660, 0.3126, 0.5900



11.0108, 0.3231, 0.3519



28.6985, 0.3810, 0.5357



1.1510, 0.3907, 0.5280

Inverse Universe

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



4.1655, 0.1617, 0.0664



7.3745, 0.1605, 0.0658



8.8622, 0.2501, 0.1152



9.3248, 0.3017, 0.3055



2.8312, 0.1626, 0.0670



0.1407, 0.1873, 0.0805

Previews

White Background



This preview shows how the Yxy color 42.5982, 0.3805, 0.5361 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 42.5982, 0.3805, 0.5361 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 42.5982, 0.3805, 0.5361

Background



This preview shows how black text looks on a background with the Yxy color 42.5982, 0.3805, 0.5361.



This preview shows how white text looks on a background with the Yxy color 42.5982, 0.3805, 0.5361.

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

42.5982, 0.3805, 0.5361

Protanopia

42.3957, 0.4396, 0.4892

Deuteranopia

42.0858, 0.4648, 0.4554



Tritanopia

42.5549, 0.2908, 0.3099

Trichromacy



Original Color

42.5982, 0.3805, 0.5361

Protanomaly

42.1075, 0.4174, 0.5068

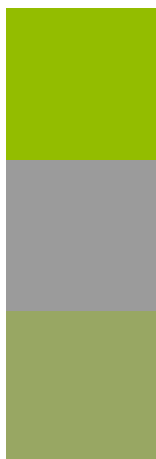
Deuteranomaly

41.6675, 0.4345, 0.4858

Tritanomaly

41.5963, 0.3394, 0.4168

Monochromacy



Original Color

42.5982, 0.3805, 0.5361

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

35.2137, 0.3569, 0.4331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5982, 0.3805, 0.5361 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(147, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 189, 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(147, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 189, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.5982, 0.3805, 0.5361 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(147, 189, 0) }
```

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

```
.border{ border-color:rgb(147, 189, 0) }
```

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

Here you see how a box with a 4 pixel rgb(147, 189, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 189,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5982, 0.3805, 0.5361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 189, 0) }
```

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

```
.background{ background-color: rgb(147,  
189, 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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