

Converting Colors

$Y_{xy}(42.9766, 0.3728, 0.5422)$

Have a look what the booklet for
Yxy(42.9766, 0.3728, 0.5422)
contains.

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Color

Yxy(42.8371, 0.3727, 0.5422)

Conversions

Conversions Part 1

Format	Color
Hex	8CBF00
RGB	140, 191, 0
RGB Percent	55%, 75%, 0%
CMY	0.4510, 0.2510, 0.9990
CMYK	0.27, 0.00, 1.00, 0.25
HSL	76°, 100%, 38%
HSV	76°, 100%, 75%
XYZ	29.4456, 42.8371, 6.7234
YIQ	153.9770, 30.9150, -70.2130

Conversions

Conversions Part 2

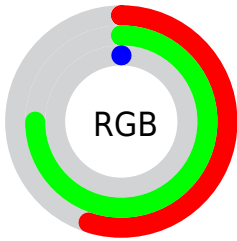
Format	Color
RYB	0, 191, 51
Decimal	9223936
CIELab	71.44, -38.59, 71.72
CIELCh	71, 81.440, 118.286
Yxy	42.8371, 0.3727, 0.5422
Android (android.graphics.Color)	4287414016 (0xFF8CBF00)
YUV	153.9770, -75.9107, -12.2578
Hunter-Lab	65.4501, -34.2316, 39.7244

Details

The Yxy color **42.8371, 0.3727, 0.5422** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.4787, 0.1663, 0.0691**, and the grayscale version is **32.6470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7198, 0.3692, 0.5048**, and **19.7303, 0.3536, 0.5575** is the 20% darker color. If you saturate the color by 10%, you get **42.8323, 0.3727, 0.5423**, and if you desaturate by 10%, it is **43.3408, 0.3750, 0.5339**.

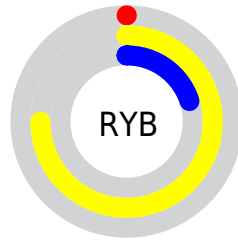
Distribution



Red (55%)

Green (75%)

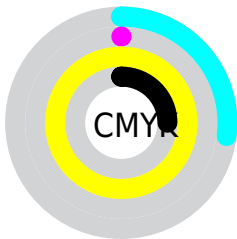
Blue (0%)



Red (0%)

Yellow (75%)

Blue (20%)

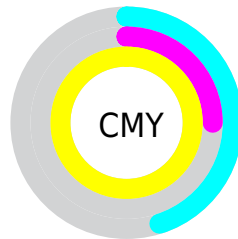


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (45%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8371, 0.3727, 0.5422 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 42.8371, 0.3727, 0.5422 by changing the saturation by 10% instead.

 42.8371, 0.3727,
0.5422


 42.8371, 0.3727,
0.5422


357.9414, 0.3534,
0.4343

 29.7573, 0.3724,
0.5664


 79.4650, 0.3692,
0.5043

 19.6545, 0.3687,
0.5948


 103.7819, 0.3668,
0.4896

 12.1441, 0.3637,
0.6363


 132.6133, 0.3643,
0.4769

 6.8419, 0.3367,
0.6633

 166.3435, 0.3619,
0.4660

 3.3634, 0.2951,
0.7049

 205.3571, 0.3596,
0.4565

 1.3243, 0.1652,
0.8348

 250.0383, 0.3574,

 0.1599, 0.0000,

0.4482

1.0000

300.7716, 0.3553,
0.4409

■ 0.0000, 0.0000,
0.0000

■ 42.8371, 0.3727,
0.5422

■ 42.8371, 0.3727,
0.5422

■ 42.8323, 0.3727,
0.5423

■ 43.3408, 0.3750,
0.5339

■ 43.9106, 0.3754,
0.5215

■ 44.5648, 0.3731,
0.5045

■ 45.3124, 0.3685,
0.4834

■ 46.1608, 0.3617,
0.4592

■ 47.1165, 0.3533,
0.4331

■ 48.1854, 0.3437,
0.4061

■ 49.3729, 0.3334,
0.3792

■ 50.6842, 0.3230,
0.3533

Harmonies

Analogous

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



42.8371, 0.4670, 0.4819



42.8371, 0.3727, 0.5422



42.8371, 0.2696, 0.5218

Triad

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



42.8371, 0.3727, 0.5422



42.8371, 0.1312, 0.1981



42.8371, 0.4437, 0.2597

Complementary

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



42.8371, 0.3727, 0.5422



4.4787, 0.1663, 0.0691

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.



42.8371, 0.3230, 0.2049



42.8371, 0.3727, 0.5422



42.8371, 0.1578, 0.1693

Square

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



42.8371, 0.3727, 0.5422



42.8371, 0.1378, 0.2731



42.8371, 0.2206, 0.1732



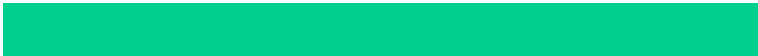
42.8371, 0.5253, 0.3277

Rectangle

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



42.8371, 0.3727, 0.5422



42.8371, 0.2085, 0.4476



42.8371, 0.2206, 0.1732



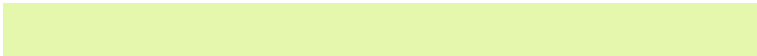
42.8371, 0.4046, 0.2393

Sweetspot

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



42.8390, 0.3727, 0.5422



86.1712, 0.3443, 0.4077



13.4566, 0.6040, 0.3584



18.7386, 0.3485, 0.4193



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.8390, 0.3727, 0.5422



76.5826, 0.3719, 0.5429



37.8174, 0.3089, 0.5928



10.9887, 0.3224, 0.3520



28.1880, 0.3733, 0.5418



1.1345, 0.3848, 0.5326

Inverse Universe

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



4.4787, 0.1663, 0.0691



7.9008, 0.1649, 0.0682



9.9244, 0.2624, 0.1220



9.3455, 0.3024, 0.3056



2.9704, 0.1673, 0.0696



0.1496, 0.1942, 0.0844

Previews

White Background



This preview shows how the Yxy color 42.8371, 0.3727, 0.5422 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 42.8371, 0.3727, 0.5422 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 42.8371, 0.3727, 0.5422

Background



This preview shows how black text looks on a background with the Yxy color 42.8371, 0.3727, 0.5422.



This preview shows how white text looks on a background with the Yxy color 42.8371, 0.3727, 0.5422.

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

42.8371, 0.3727, 0.5422

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

42.2533, 0.4650, 0.4539



Tritanopia

42.9157, 0.2854, 0.3098

Trichromacy



Original Color

42.8371, 0.3727, 0.5422

Protanomaly

42.2779, 0.4145, 0.5091

Deuteranomaly

41.4103, 0.4324, 0.4869

Tritanomaly

41.8514, 0.3328, 0.4194

Monochromacy



Original Color

42.8371, 0.3727, 0.5422

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.9088, 0.3547, 0.4357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8371, 0.3727, 0.5422 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, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 191, 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, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.8371, 0.3727, 0.5422 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, 191, 0) }
```

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

```
.border{ border-color:rgb(140, 191, 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, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8371, 0.3727, 0.5422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 191, 0) }
```

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

```
.background{ background-color: rgb(140,  
191, 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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