

Converting Colors

$Y_{xy}(41.5760, 0.3607, 0.5518)$

Have a look what the booklet for
Yxy(41.5760, 0.3607, 0.5518)
contains.

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Color

Yxy(41.6972, 0.3605, 0.5520)

Conversions

Conversions Part 1

Format	Color
Hex	7EBF00
RGB	126, 191, 0
RGB Percent	49%, 75%, 0%
CMY	0.5060, 0.2509, 1.0000
CMYK	0.34, 0.00, 1.00, 0.25
HSL	80°, 100%, 37%
HSV	80°, 100%, 75%
XYZ	27.2316, 41.6972, 6.6096
YIQ	149.7910, 22.5710, -73.1810

Conversions

Conversions Part 2

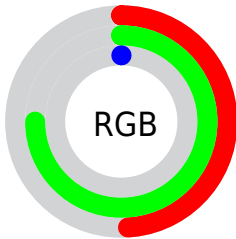
Format	Color
RYB	0, 191, 65
Decimal	8306432
CIELab	70.66, -43.92, 70.81
CIELCh	71, 83.329, 121.808
Yxy	41.6972, 0.3605, 0.5520
Android (android.graphics.Color)	4286496512 (0xFF7EBF00)
YUV	149.7910, -73.8470, -20.8647
Hunter-Lab	64.5734, -37.7272, 39.1325

Details

The Yxy color **41.6972, 0.3605, 0.5520** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.8870, 0.1753, 0.0739**, and the grayscale version is **30.7167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9043, 0.3594, 0.5111**, and **19.1203, 0.3378, 0.5700** is the 20% darker color. If you saturate the color by 10%, you get **41.6993, 0.3605, 0.5520**, and if you desaturate by 10%, it is **42.2571, 0.3639, 0.5426**.

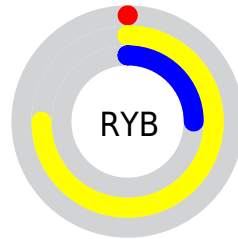
Distribution



Red (49%)

Green (75%)

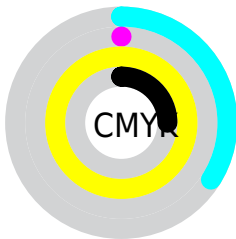
Blue (0%)



Red (0%)

Yellow (75%)

Blue (25%)

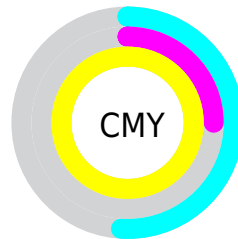


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (51%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6972, 0.3605, 0.5520 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 41.6972, 0.3605, 0.5520 by changing the saturation by 10% instead.


 41.6972, 0.3605,
0.5520

 41.6972, 0.3605,
0.5520


353.2262, 0.3477,
0.4371


 28.8643, 0.3585,
0.5785

 77.7411, 0.3595,
0.5111


 18.9782, 0.3525,
0.6100


 101.7209, 0.3579,
0.4954

 11.6545, 0.3440,
0.6560


 130.1852, 0.3562,
0.4819

 6.5089, 0.3122,
0.6878

 163.5182, 0.3544,
0.4704

 3.1569, 0.2635,
0.7365

 202.1044, 0.3526,
0.4604

 1.2142, 0.0393,
0.9607

 246.3282, 0.3508,

 0.0732, 0.0000,

0.4516

1.0000

296.5740, 0.3492,
0.4440

■ 0.0000, 0.0000,
0.0000

■ 41.6972, 0.3605,
0.5520

■ 41.6972, 0.3605,
0.5520

■ 41.6993, 0.3605,
0.5520

■ 42.2571, 0.3639,
0.5426

■ 42.8942, 0.3654,
0.5290

■ 43.6279, 0.3644,
0.5105

■ 44.4673, 0.3610,
0.4880

■ 45.4201, 0.3555,
0.4625

■ 46.4932, 0.3484,
0.4352

■ 47.6927, 0.3401,
0.4074

■ 49.0244, 0.3312,
0.3800

■ 50.4936, 0.3219,
0.3537

Harmonies

Analogous

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



41.6972, 0.4595, 0.4938



41.6972, 0.3605, 0.5520



41.6972, 0.2556, 0.5187

Triad

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



41.6972, 0.3605, 0.5520



41.6972, 0.1286, 0.1889



41.6972, 0.4610, 0.2652

Complementary

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



41.6972, 0.3605, 0.5520



4.8870, 0.1753, 0.0739

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.



41.6972, 0.3375, 0.2073



41.6972, 0.3605, 0.5520



41.6972, 0.1596, 0.1644

Square

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



41.6972, 0.3605, 0.5520



41.6972, 0.1309, 0.2587



41.6972, 0.2282, 0.1720



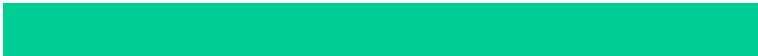
41.6972, 0.5363, 0.3352

Rectangle

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



41.6972, 0.3605, 0.5520



41.6972, 0.1956, 0.4350



41.6972, 0.2282, 0.1720



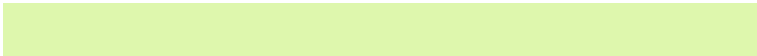
41.6972, 0.4219, 0.2440

Sweetspot

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



41.6993, 0.3605, 0.5520



85.3015, 0.3406, 0.4087



14.7072, 0.5882, 0.3712



18.5249, 0.3442, 0.4206



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.



41.6993, 0.3605, 0.5520



74.5362, 0.3596, 0.5527



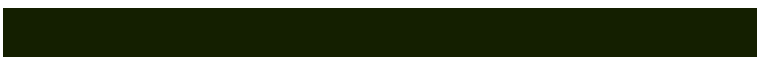
37.5701, 0.3050, 0.5960



10.9535, 0.3213, 0.3520



27.4471, 0.3613, 0.5514



1.1098, 0.3755, 0.5400

Inverse Universe

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



4.8870, 0.1753, 0.0739



8.6320, 0.1739, 0.0731



11.1508, 0.2790, 0.1311



9.3790, 0.3036, 0.3057



3.2517, 0.1766, 0.0746



0.1641, 0.2050, 0.0903

Previews

White Background



This preview shows how the Yxy color 41.6972, 0.3605, 0.5520 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 41.6972, 0.3605, 0.5520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

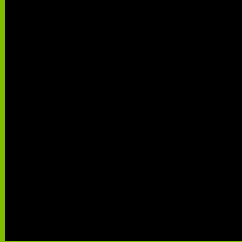
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6972, 0.3605, 0.5520

Background



This preview shows how black text looks on a background with the Yxy color 41.6972, 0.3605, 0.5520.



This preview shows how white text looks on a background with the Yxy color 41.6972, 0.3605, 0.5520.

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

41.6972, 0.3605, 0.5520

Protanopia

41.3565, 0.4398, 0.4890

Deuteranopia

41.0797, 0.4641, 0.4535



Tritanopia

41.7576, 0.2762, 0.3093

Trichromacy



Original Color

41.6972, 0.3605, 0.5520

Protanomaly

41.0775, 0.4087, 0.5137

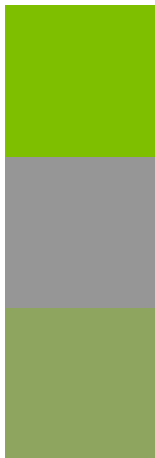
Deuteranomaly

40.1434, 0.4264, 0.4908

Tritanomaly

40.7611, 0.3222, 0.4224

Monochromacy



Original Color

41.6972, 0.3605, 0.5520

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

33.3992, 0.3498, 0.4407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6972, 0.3605, 0.5520 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(126, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.6972, 0.3605, 0.5520 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(126, 191, 0) }
```

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

```
.border{ border-color:rgb(126, 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(126, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6972, 0.3605, 0.5520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 191, 0) }
```

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

```
.background{ background-color: rgb(126,  
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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