

Converting Colors

$Y_{xy}(43.4908, 0.3520, 0.5038)$

Have a look what the booklet for
Yxy(43.4908, 0.3520, 0.5038)
contains.

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Color

Yxy(43.5322, 0.3520, 0.5040)

Conversions

Conversions Part 1

Format	Color
Hex	8AC045
RGB	138, 192, 69
RGB Percent	54%, 75%, 27%
CMY	0.4589, 0.2470, 0.7292
CMYK	0.28, 0.00, 0.64, 0.25
HSL	86°, 49%, 51%
HSV	86°, 64%, 75%
XYZ	30.4034, 43.5322, 12.4378
YIQ	161.8320, 7.2990, -49.7010

Conversions

Conversions Part 2

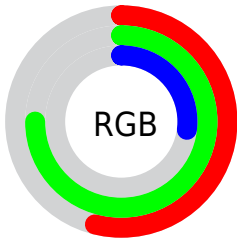
Format	Color
RYB	69, 192, 123
Decimal	9093189
CIELab	71.91, -36.99, 54.54
CIElCh	72, 65.897, 124.149
Yxy	43.5322, 0.3520, 0.5040
Android (android.graphics.Color)	4287283269 (0xFF8AC045)
YUV	161.8320, -45.7662, -20.9007
Hunter-Lab	65.9789, -33.2094, 35.0084

Details

The Yxy color **43.5322, 0.3520, 0.5040** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **12.2852, 0.2380, 0.1475**, and the grayscale version is **36.2653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6258, 0.3486, 0.4712**, and **20.0247, 0.3520, 0.5560** is the 20% darker color. If you saturate the color by 10%, you get **42.6410, 0.3529, 0.5269**, and if you desaturate by 10%, it is **44.5603, 0.3489, 0.4777**.

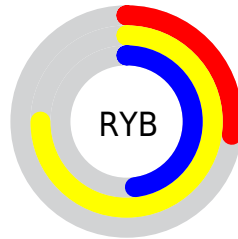
Distribution



Red (54%)

Green (75%)

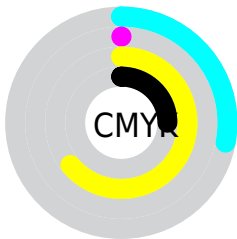
Blue (27%)



Red (27%)

Yellow (75%)

Blue (48%)

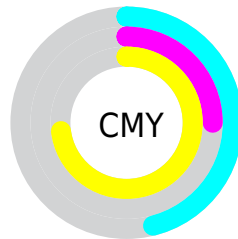


Cyan (28%)

Magenta (0%)

Yellow (64%)

Black (25%)



Cyan (46%)


Magenta (25%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5322, 0.3520, 0.5040 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 43.5322, 0.3520, 0.5040 by changing the saturation by 10% instead.


 43.5322, 0.3520,
0.5040

 43.5322, 0.3520,
0.5040


360.7959, 0.3380,
0.4124


 30.3029, 0.3529,
0.5269


 80.5134, 0.3487,
0.4704

 20.0686, 0.3521,
0.5556


 105.0340, 0.3469,
0.4578

 12.4449, 0.3478,
0.5920


 134.0872, 0.3451,
0.4472

 7.0475, 0.3435,
0.6533

 168.0574, 0.3435,
0.4382

 3.4918, 0.3056,
0.6944

 207.3290, 0.3419,
0.4304

 1.3936, 0.2011,
0.7989

252.2864, 0.3405,

 0.2120, 0.0000,

0.4236

1.0000

303.3138, 0.3392,
0.4177

■ 0.0000, 0.0000,
0.0000

■ 43.5322, 0.3520,
0.5040

■ 43.5322, 0.3520,
0.5040

■ 42.6410, 0.3529,
0.5269

■ 44.5603, 0.3489,
0.4777

■ 41.8720, 0.3515,
0.5452

■ 45.7274, 0.3441,
0.4494

■ 41.2163, 0.3478,
0.5583

■ 47.0428, 0.3380,
0.4204

■ 40.8678, 0.3450,
0.5642

■ 48.5129, 0.3309,
0.3918

■ 50.1439, 0.3234,
0.3644

■ 51.9416, 0.3158,
0.3388

■ 53.9113, 0.3082,
0.3152

■ 56.0583, 0.3009,
0.2937

■ 58.3875, 0.2940,
0.2744

Harmonies

Analogous

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



43.5322, 0.4331, 0.4733



43.5322, 0.3520, 0.5040



43.5322, 0.2653, 0.4651

Triad

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



43.5322, 0.3520, 0.5040



43.5322, 0.1602, 0.2136



43.5322, 0.4357, 0.2837

Complementary

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



43.5322, 0.3520, 0.5040



12.2852, 0.2380, 0.1475

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.



43.5322, 0.3417, 0.2324



43.5322, 0.3520, 0.5040



43.5322, 0.1900, 0.1925

Square

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



43.5322, 0.3520, 0.5040



43.5322, 0.1615, 0.2708



43.5322, 0.2517, 0.2002



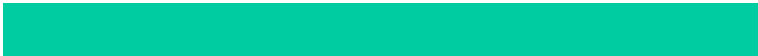
43.5322, 0.4918, 0.3456

Rectangle

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



43.5322, 0.3520, 0.5040



43.5322, 0.2161, 0.4019



43.5322, 0.2517, 0.2002



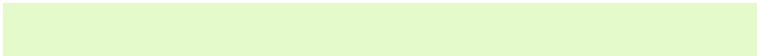
43.5322, 0.4065, 0.2650

Sweetspot

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



43.5341, 0.3520, 0.5040



89.2572, 0.3274, 0.3786



25.6382, 0.4625, 0.3977



18.9689, 0.3296, 0.3866



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.



43.5341, 0.3520, 0.5040



76.6458, 0.3526, 0.5352



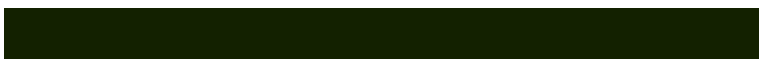
39.7208, 0.3075, 0.5309



11.5310, 0.3199, 0.3522



27.5441, 0.3459, 0.5636



1.2304, 0.3620, 0.5508

Inverse Universe

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



12.2852, 0.2380, 0.1475



15.6230, 0.2177, 0.1138



18.2353, 0.3095, 0.1799



9.9597, 0.3050, 0.3057



3.8851, 0.1921, 0.0832



0.2086, 0.2180, 0.0974

Previews

White Background



This preview shows how the Yxy color 43.5322, 0.3520, 0.5040 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 43.5322, 0.3520, 0.5040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

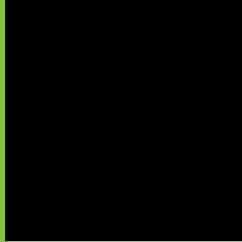
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.5322, 0.3520, 0.5040

Background



This preview shows how black text looks on a background with the Yxy color 43.5322, 0.3520, 0.5040.



This preview shows how white text looks on a background with the Yxy color 43.5322, 0.3520, 0.5040.

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

43.5322, 0.3520, 0.5040

Protanopia

43.1681, 0.4189, 0.4608

Deuteranopia

43.0787, 0.4400, 0.4301



Tritanopia

43.4076, 0.2811, 0.3098

Trichromacy



Original Color

43.5322, 0.3520, 0.5040

Protanomaly

42.9632, 0.3935, 0.4777

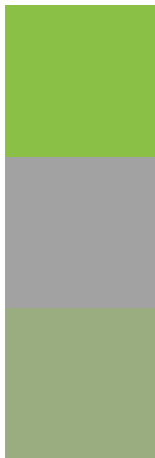
Deuteranomaly

42.3639, 0.4069, 0.4566

Tritanomaly

42.7468, 0.3095, 0.3804

Monochromacy



Original Color

43.5322, 0.3520, 0.5040

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.2180, 0.3320, 0.3968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5322, 0.3520, 0.5040 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(138, 192, 69)` looks like.

```
.text, #text, p{  
    color:rgb(138, 192, 69)  
}
```

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(138, 192, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 192, 69) }
```

Border

The CSS property to change the border of an element to Yxy 43.5322, 0.3520, 0.5040 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(138, 192, 69) }
```

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

```
.border{ border-color:rgb(138, 192, 69) }
```

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

Here you see how a box with a 4 pixel rgb(138, 192, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 192, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 192, 69);  
box-shadow:4px 4px 4px 4px rgb(138, 192,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5322, 0.3520, 0.5040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 192, 69) }
```

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

```
.background{ background-color: rgb(138,  
192, 69) }
```

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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