

Converting Colors

Yxy(51.7005, 0.3519, 0.5345)

Have a look what the booklet for
Yxy(51.7005, 0.3519, 0.5345)
contains.

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Color

Yxy(51.7099, 0.3520, 0.5345)

Conversions

Conversions Part 1

Format	Color
Hex	8AD230
RGB	138, 210, 48
RGB Percent	54%, 82%, 19%
CMY	0.4590, 0.1764, 0.8118
CMYK	0.34, 0.00, 0.77, 0.18
HSL	87°, 64%, 51%
HSV	87°, 77%, 82%
XYZ	34.0540, 51.7099, 10.9805
YIQ	170.0040, 9.0900, -65.6460

Conversions

Conversions Part 2

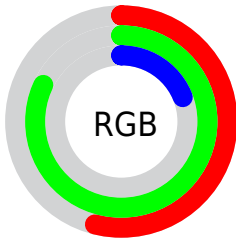
Format	Color
RYB	48, 210, 120
Decimal	9097776
CIELab	77.11, -46.20, 67.44
CIELCh	77, 81.744, 124.414
Yxy	51.7099, 0.3520, 0.5345
Android (android.graphics.Color)	4287287856 (0xFF8AD230)
YUV	170.0040, -60.1480, -28.0675
Hunter-Lab	71.9096, -41.3100, 41.2832

Details

The Yxy color **51.7099, 0.3520, 0.5345** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **10.7643, 0.2194, 0.1155**, and the grayscale version is **40.4974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3173, 0.3547, 0.4889**, and **25.1482, 0.3397, 0.5685** is the 20% darker color. If you saturate the color by 10%, you get **50.8155, 0.3497, 0.5511**, and if you desaturate by 10%, it is **52.7594, 0.3520, 0.5129**.

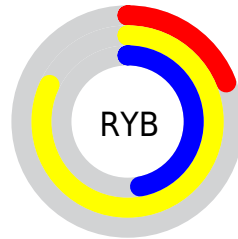
Distribution



Red (54%)

Green (82%)

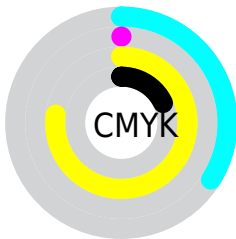
Blue (19%)



Red (19%)

Yellow (82%)

Blue (47%)

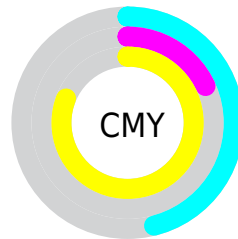


Cyan (34%)

Magenta (0%)

Yellow (77%)

Black (18%)



Cyan (46%)


Magenta (18%)


Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7099, 0.3520, 0.5345 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 51.7099, 0.3520, 0.5345 by changing the saturation by 10% instead.


 51.7099, 0.3520,
0.5345

 51.7099, 0.3520,
0.5345


393.3156, 0.3415,
0.4305

 36.7739, 0.3510,
0.5588

 92.7033, 0.3508,
0.4975


 25.0325, 0.3474,
0.5882


 119.5294, 0.3495,
0.4833

 16.1013, 0.3391,
0.6236


 151.0877, 0.3481,
0.4712

 9.5958, 0.3258,
0.6742

 187.7626, 0.3467,
0.4608

 5.1318, 0.2873,
0.7127

 229.9384, 0.3453,
0.4517

 2.3248, 0.2243,
0.7757

 277.9996, 0.3440,

 0.7868, 0.0000,

0.4438

1.0000

332.3306, 0.3427,
0.4368

■ 0.0000, 0.0000,
0.0000

■ 51.7099, 0.3520,
0.5345

■ 51.7099, 0.3520,
0.5345

■ 50.8155, 0.3497,
0.5511

■ 52.7594, 0.3520,
0.5129

■ 50.0539, 0.3453,
0.5624


■ 53.9691, 0.3497,
0.4873

■ 49.8545, 0.3439,
0.5652


■ 55.3516, 0.3455,
0.4593

■ 56.9161, 0.3398,
0.4301

■ 58.6713, 0.3331,
0.4011

 60.6249, 0.3257,
0.3730

 62.7842, 0.3181,
0.3467

 65.1563, 0.3106,
0.3223

 67.7476, 0.3032,
0.3000

Harmonies

Analogous

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



51.7099, 0.4451, 0.4911



51.7099, 0.3520, 0.5345



51.7099, 0.2542, 0.4917

Triad

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



51.7099, 0.3520, 0.5345



51.7099, 0.1413, 0.1959



51.7099, 0.4571, 0.2762

Complementary

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



51.7099, 0.3520, 0.5345



10.7643, 0.2194, 0.1155

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.



51.7099, 0.3462, 0.2196



51.7099, 0.3520, 0.5345



51.7099, 0.1739, 0.1746

Square

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



51.7099, 0.3520, 0.5345



51.7099, 0.1413, 0.2582



51.7099, 0.2424, 0.1840



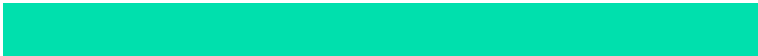
51.7099, 0.5209, 0.3439

Rectangle

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



51.7099, 0.3520, 0.5345



51.7099, 0.1993, 0.4138



51.7099, 0.2424, 0.1840



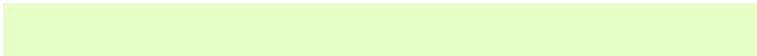
51.7099, 0.4226, 0.2556

Sweetspot

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



51.7122, 0.3520, 0.5345



92.1649, 0.3303, 0.3900



26.9211, 0.5036, 0.4033



19.4973, 0.3329, 0.4004



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.7122, 0.3520, 0.5345



78.0010, 0.3468, 0.5594



47.2372, 0.3050, 0.5678



13.5252, 0.3199, 0.3524



30.4662, 0.3449, 0.5644



1.7501, 0.3581, 0.5539

Inverse Universe

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



10.7643, 0.2194, 0.1155



11.8837, 0.1978, 0.0888



18.9381, 0.3077, 0.1605



11.6713, 0.3051, 0.3055



4.3287, 0.1927, 0.0835



0.2887, 0.2136, 0.0950

Previews

White Background



This preview shows how the Yxy color 51.7099, 0.3520, 0.5345 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 51.7099, 0.3520, 0.5345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

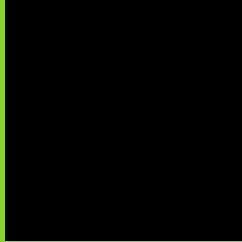
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7099, 0.3520, 0.5345

Background



This preview shows how black text looks on a background with the Yxy color 51.7099, 0.3520, 0.5345.



This preview shows how white text looks on a background with the Yxy color 51.7099, 0.3520, 0.5345.

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

51.7099, 0.3520, 0.5345

Protanopia

51.1475, 0.4320, 0.4773

Deuteranopia

50.9840, 0.4546, 0.4450



Tritanopia

51.5539, 0.2750, 0.3096

Trichromacy



Original Color

51.7099, 0.3520, 0.5345

Protanomaly

50.5611, 0.4015, 0.4989

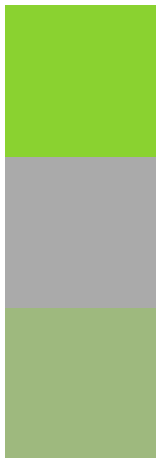
Deuteranomaly

49.9646, 0.4156, 0.4782

Tritanomaly

50.6196, 0.3088, 0.3975

Monochromacy



Original Color

51.7099, 0.3520, 0.5345

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

43.4734, 0.3355, 0.4142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7099, 0.3520, 0.5345 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, 210, 48)` looks like.

```
.text, #text, p{  
    color:rgb(138, 210, 48)  
}
```

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, 210, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 210, 48) }
```

Border

The CSS property to change the border of an element to Yxy 51.7099, 0.3520, 0.5345 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, 210, 48) }
```

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

```
.border{ border-color:rgb(138, 210, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 210, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 210, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 210, 48);  
box-shadow:4px 4px 4px 4px rgb(138, 210,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7099, 0.3520, 0.5345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 210, 48) }
```

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

```
.background{ background-color: rgb(138,  
210, 48) }
```

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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