

Converting Colors

$Yxy(45.9402, 0.3401, 0.4852)$

Have a look what the booklet for
Yxy(45.9402, 0.3401, 0.4852)
contains.

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Color

Yxy(46.0570, 0.3397, 0.4851)

Conversions

Conversions Part 1

Format	Color
Hex	8AC559
RGB	138, 197, 89
RGB Percent	54%, 77%, 35%
CMY	0.4587, 0.2274, 0.6511
CMYK	0.30, 0.00, 0.55, 0.23
HSL	93°, 48%, 56%
HSV	93°, 55%, 77%
XYZ	32.2522, 46.0570, 16.6341
YIQ	167.0470, -0.4960, -46.0960

Conversions

Conversions Part 2

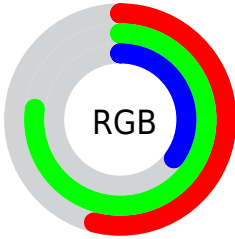
Format	Color
RYB	89, 197, 148
Decimal	9094489
CIELab	73.58, -37.38, 47.54
CIELCh	74, 60.476, 128.183
Yxy	46.0570, 0.3397, 0.4851
Android (android.graphics.Color)	4287284569 (0xFF8AC559)
YUV	167.0470, -38.4772, -25.4742
Hunter-Lab	67.8653, -33.9341, 32.9735

Details

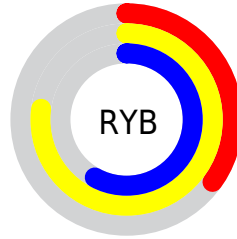
The Yxy color **46.0570, 0.3397, 0.4851** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **17.4624, 0.2634, 0.1779**, and the grayscale version is **38.8606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3059, 0.3374, 0.4546**, and **21.6633, 0.3395, 0.5325** is the 20% darker color. If you saturate the color by 10%, you get **44.8987, 0.3410, 0.5131**, and if you desaturate by 10%, it is **47.3988, 0.3367, 0.4552**.

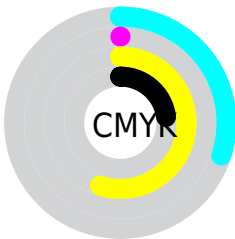
Distribution



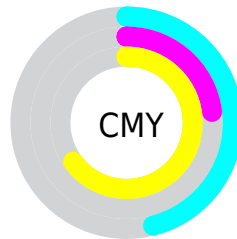
- Red (54%)
- Green (77%)
- Blue (35%)



- Red (35%)
- Yellow (77%)
- Blue (58%)



- Cyan (30%)
- Magenta (0%)
- Yellow (55%)
- Black (23%)




- Cyan (46%)
- Magenta (23%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0570, 0.3397, 0.4851 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 46.0570, 0.3397, 0.4851 by changing the saturation by 10% instead.


 46.0570, 0.3397,
0.4851

 46.0570, 0.3397,
0.4851


371.0378, 0.3304,
0.4033

 32.2908, 0.3402,
0.5060


 84.3043, 0.3376,
0.4548


 21.5837, 0.3396,
0.5327


 109.5542, 0.3364,
0.4436

 13.5513, 0.3365,
0.5676


 139.4008, 0.3352,
0.4342

 7.8093, 0.3282,
0.6148

 174.2284, 0.3341,
0.4261

 3.9732, 0.3116,
0.6884

214.4216, 0.3331,
0.4192

 1.6586, 0.2375,
0.7625

260.3646, 0.3321,

 0.3966, 0.0000,

0.4132

1.0000

312.4418, 0.3312,
0.4079

■ 0.0000, 0.0000,
0.0000

■ 46.0570, 0.3397,
0.4851

■ 46.0570, 0.3397,
0.4851

■ 44.8987, 0.3410,
0.5131

■ 47.3988, 0.3367,
0.4552

■ 43.9078, 0.3404,
0.5375

■ 48.9269, 0.3324,
0.4247

■ 43.0754, 0.3376,
0.5569

■ 50.6516, 0.3272,
0.3950

■ 42.3883, 0.3330,
0.5705

■ 52.5807, 0.3215,
0.3669

■ 42.0792, 0.3303,
0.5760

■ 54.7213, 0.3156,
0.3408

■ 57.0804, 0.3097,
0.3170

■ 59.6644, 0.3039,
0.2956

■ 62.4796, 0.2983,
0.2764

■ 64.7845, 0.3005,
0.2696

Harmonies

Analogous

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



46.0570, 0.4154, 0.4676



46.0570, 0.3397, 0.4851



46.0570, 0.2610, 0.4400

Triad

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



46.0570, 0.3397, 0.4851



46.0570, 0.1743, 0.2196



46.0570, 0.4331, 0.2957

Complementary

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



46.0570, 0.3397, 0.4851



17.4624, 0.2634, 0.1779

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.



46.0570, 0.3514, 0.2460



46.0570, 0.3397, 0.4851



46.0570, 0.2062, 0.2031

Square

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



46.0570, 0.3397, 0.4851



46.0570, 0.1719, 0.2683



46.0570, 0.2674, 0.2132



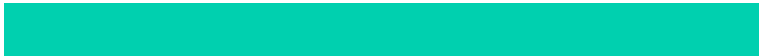
46.0570, 0.4774, 0.3545

Rectangle

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



46.0570, 0.3397, 0.4851



46.0570, 0.2178, 0.3818



46.0570, 0.2674, 0.2132



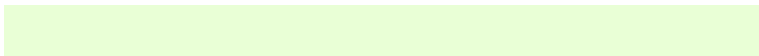
46.0570, 0.4084, 0.2778

Sweetspot

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



46.0590, 0.3397, 0.4851



93.6627, 0.3223, 0.3707



33.3305, 0.4264, 0.4038



19.8889, 0.3236, 0.3765



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.



46.0590, 0.3397, 0.4851



80.0021, 0.3410, 0.5188



42.8382, 0.3027, 0.4979



12.1197, 0.3183, 0.3524



27.7253, 0.3312, 0.5752



1.3557, 0.3479, 0.5620

Inverse Universe

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



17.4624, 0.2634, 0.1779



23.5220, 0.2488, 0.1466



22.8785, 0.3228, 0.2037



10.5680, 0.3067, 0.3057



4.7803, 0.2124, 0.0944



0.2690, 0.2343, 0.1064

Previews

White Background



This preview shows how the Yxy color 46.0570, 0.3397, 0.4851 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 46.0570, 0.3397, 0.4851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

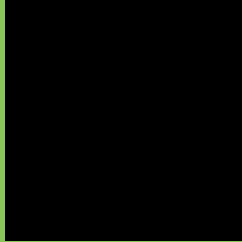
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0570, 0.3397, 0.4851

Background



This preview shows how black text looks on a background with the Yxy color 46.0570, 0.3397, 0.4851.



This preview shows how white text looks on a background with the Yxy color 46.0570, 0.3397, 0.4851.

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

46.0570, 0.3397, 0.4851

Protanopia

45.5620, 0.4081, 0.4454

Deuteranopia

45.7217, 0.4250, 0.4163



Tritanopia

45.7381, 0.2774, 0.3087

Trichromacy



Original Color

46.0570, 0.3397, 0.4851

Protanomaly

45.1368, 0.3811, 0.4603

Deuteranomaly

44.9144, 0.3927, 0.4411

Tritanomaly

45.2292, 0.3012, 0.3706

Monochromacy



Original Color

46.0570, 0.3397, 0.4851

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.7728, 0.3249, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0570, 0.3397, 0.4851 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, 197, 89)` looks like.

```
.text, #text, p{  
    color:rgb(138, 197, 89)  
}
```

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, 197, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 197, 89) }
```

Border

The CSS property to change the border of an element to Yxy 46.0570, 0.3397, 0.4851 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, 197, 89) }
```

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

```
.border{ border-color:rgb(138, 197, 89) }
```

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

Here you see how a box with a 4 pixel rgb(138, 197, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 197, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 197, 89);  
box-shadow:4px 4px 4px 4px rgb(138, 197,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0570, 0.3397, 0.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 197, 89) }
```

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

```
.background{ background-color: rgb(138,  
197, 89) }
```

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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