

Converting Colors

$Yxy(51.3785, 0.3043, 0.4201)$

Have a look what the booklet for
Yxy(51.3785, 0.3043, 0.4201)
contains.

Yxy(51.4140, 0.3049, 0.4206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.4140, 0.3049, 0.4206)

Conversions

Conversions Part 1

Format	Color
Hex	89CE8E
RGB	137, 206, 142
RGB Percent	54%, 81%, 56%
CMY	0.4627, 0.1921, 0.4431
CMYK	0.33, 0.00, 0.31, 0.19
HSL	124°, 41%, 67%
HSV	124°, 33%, 81%
XYZ	37.2709, 51.4140, 33.5548
YIQ	178.0730, -20.5800, -34.5320

Conversions

Conversions Part 2

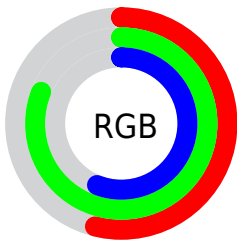
Format	Color
RYB	137, 201, 206
Decimal	9031310
CIELab	76.93, -34.59, 25.13
CIELCh	77, 42.752, 143.996
Yxy	51.4140, 0.3049, 0.4206
Android (android.graphics.Color)	4287221390 (0xFF89CE8E)
YUV	178.0730, -17.7840, -36.0210
Hunter-Lab	71.7036, -32.6985, 22.4468

Details

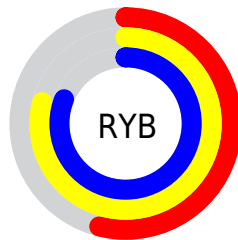
The Yxy color **51.4140, 0.3049, 0.4206** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.2304, 0.3213, 0.2519**, and the grayscale version is **44.6670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7120, 0.3072, 0.3949**, and **24.7734, 0.3010, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **49.3126, 0.3026, 0.4536**, and if you desaturate by 10%, it is **53.9504, 0.3073, 0.3897**.

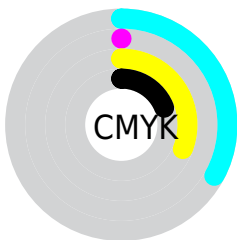
Distribution



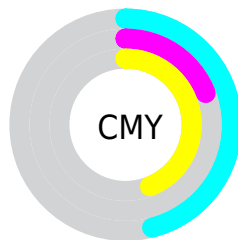
- Red (54%)
- Green (81%)
- Blue (56%)



- Red (54%)
- Yellow (79%)
- Blue (81%)



- Cyan (33%)
- Magenta (0%)
- Yellow (31%)
- Black (19%)





- Cyan (46%)
- Magenta (19%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4140, 0.3049, 0.4206 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 51.4140, 0.3049, 0.4206 by changing the saturation by 10% instead.


 51.4140, 0.3049,
0.4206


 51.4140, 0.3049,
0.4206


392.1701, 0.3101,
0.3732


 36.5382, 0.3032,
0.4329


 92.2664, 0.3071,
0.4030

 24.8501, 0.3008,
0.4489


 119.0119, 0.3078,
0.3965

 15.9654, 0.2970,
0.4705


 150.4826, 0.3084,
0.3911

 9.4997, 0.2910,
0.5013

187.0631, 0.3088,
0.3864

 5.0685, 0.2800,
0.5481

229.1377, 0.3092,
0.3824

 2.2875, 0.2679,
0.6514

277.0908, 0.3096,

 0.7671, 0.0000,

0.3790

1.0000

331.3068, 0.3098,
0.3759

0.0000, 0.0000,
0.0000

51.4140, 0.3049,
0.4206

51.4140, 0.3049,
0.4206

49.3126, 0.3026,
0.4536

53.9504, 0.3073,
0.3897

47.6158, 0.3007,
0.4875

56.9375, 0.3097,
0.3617

46.2994, 0.2991,
0.5203

60.3980, 0.3119,
0.3369

45.3339, 0.2982,
0.5497

64.3513, 0.3141,
0.3152

44.6856, 0.2980,
0.5732

68.8157, 0.3161,
0.2964

■ 44.3140, 0.2985,
0.5893

■ 72.6244, 0.3150,
0.2811

■ 44.1788, 0.2988,
0.5958

Harmonies

Analogous

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



51.4140, 0.3613, 0.4342



51.4140, 0.3049, 0.4206



51.4140, 0.2534, 0.3733

Triad

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



51.4140, 0.3049, 0.4206



51.4140, 0.2228, 0.2424



51.4140, 0.4150, 0.3303

Complementary

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



51.4140, 0.3049, 0.4206



35.2304, 0.3213, 0.2519

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.



51.4140, 0.3708, 0.2883



51.4140, 0.3049, 0.4206



51.4140, 0.2586, 0.2395

Square

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



51.4140, 0.3049, 0.4206



51.4140, 0.2093, 0.2674



51.4140, 0.3121, 0.2561



51.4140, 0.4279, 0.3751

Rectangle

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



51.4140, 0.3049, 0.4206



51.4140, 0.2284, 0.3335



51.4140, 0.3121, 0.2561



51.4140, 0.4031, 0.3156

Sweetspot

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



51.4162, 0.3049, 0.4206



94.0498, 0.3104, 0.3530



58.4241, 0.3590, 0.4130



19.9654, 0.3101, 0.3567



0.0000, 0.0000, 0.0000



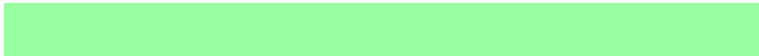
21.4041, 0.3127, 0.3290

Same Dimension

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



51.4162, 0.3049, 0.4206



80.8447, 0.3033, 0.4436



52.6014, 0.2834, 0.3704



12.5500, 0.3106, 0.3512



27.2083, 0.2985, 0.5948



1.4084, 0.2938, 0.5775

Inverse Universe

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



35.2304, 0.3213, 0.2519



50.7944, 0.3234, 0.2363



33.8002, 0.3565, 0.2913



11.3891, 0.3149, 0.3078



10.4035, 0.3399, 0.1646



0.5410, 0.3358, 0.1623

Previews

White Background



This preview shows how the Yxy color 51.4140, 0.3049, 0.4206 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 51.4140, 0.3049, 0.4206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

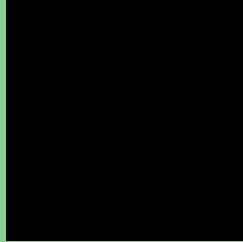
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4140, 0.3049, 0.4206

Background



This preview shows how black text looks on a background with the Yxy color 51.4140, 0.3049, 0.4206.



This preview shows how white text looks on a background with the Yxy color 51.4140, 0.3049, 0.4206.

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

51.4140, 0.3049, 0.4206

Protanopia

50.9818, 0.3688, 0.3961

Deuteranopia

50.5265, 0.3773, 0.3694



Tritanopia

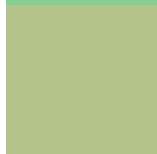
51.2206, 0.2680, 0.3081

Trichromacy



Original Color

51.4140, 0.3049, 0.4206



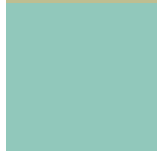
Protanomaly

50.5685, 0.3433, 0.4044



Deuteranomaly

49.8184, 0.3480, 0.3873



Tritanomaly

50.9162, 0.2812, 0.3466

Monochromacy



Original Color

51.4140, 0.3049, 0.4206



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

46.4696, 0.3096, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4140, 0.3049, 0.4206 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(137, 206, 142)` looks like.

```
.text, #text, p{  
    color:rgb(137, 206, 142)  
}
```

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(137, 206, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 206, 142) }
```

Border

The CSS property to change the border of an element to Yxy 51.4140, 0.3049, 0.4206 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(137, 206, 142) }
```

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

```
.border{ border-color:rgb(137, 206, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 206, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 206, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 206, 142);  
box-shadow:4px 4px 4px 4px rgb(137, 206,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4140, 0.3049, 0.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 206, 142) }
```

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

```
.background{ background-color: rgb(137,  
206, 142) }
```

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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