

Converting Colors

$Yxy(48.6981, 0.3095, 0.4049)$

Have a look what the booklet for
Yxy(48.6981, 0.3095, 0.4049)
contains.

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Color

Yxy(48.5435, 0.3099, 0.4049)

Conversions

Conversions Part 1

Format	Color
Hex	92C691
RGB	146, 198, 145
RGB Percent	57%, 78%, 57%
CMY	0.4276, 0.2235, 0.4314
CMYK	0.26, 0.00, 0.27, 0.22
HSL	119°, 32%, 67%
HSV	119°, 27%, 78%
XYZ	37.1539, 48.5435, 34.1927
YIQ	176.4100, -13.9790, -27.5070

Conversions

Conversions Part 2

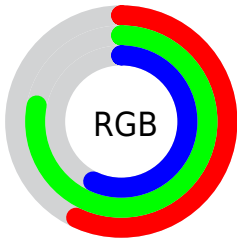
Format	Color
RYB	145, 198, 197
Decimal	9619089
CIELab	75.17, -27.37, 21.24
CIELCh	75, 34.646, 142.186
Yxy	48.5435, 0.3099, 0.4049
Android (android.graphics.Color)	4287809169 (0xFF92C691)
YUV	176.4100, -15.4851, -26.6696
Hunter-Lab	69.6732, -26.7411, 19.6742

Details

The Yxy color **48.5435, 0.3099, 0.4049** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.1975, 0.3149, 0.2629**, and the grayscale version is **43.7265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0610, 0.3110, 0.3904**, and **23.1344, 0.3080, 0.4290** is the 20% darker color. If you saturate the color by 10%, you get **46.3554, 0.3085, 0.4388**, and if you desaturate by 10%, it is **51.1449, 0.3111, 0.3738**.

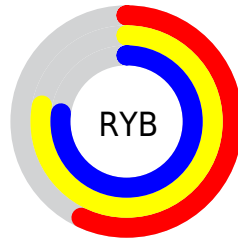
Distribution



Red (57%)

Green (78%)

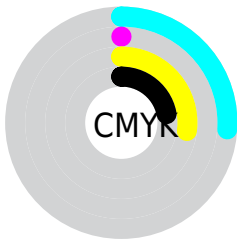
Blue (57%)



Red (57%)

Yellow (78%)

Blue (77%)

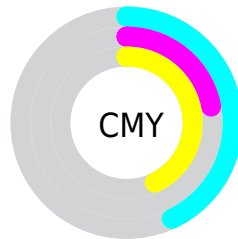


Cyan (26%)

Magenta (0%)

Yellow (27%)

Black (22%)



Cyan (43%)


Magenta (22%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5435, 0.3099, 0.4049 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 48.5435, 0.3099, 0.4049 by changing the saturation by 10% instead.


 48.5435, 0.3099,
0.4049

 48.5435, 0.3099,
0.4049


380.9424, 0.3122,
0.3656

 34.2575, 0.3090,
0.4151

 88.0131, 0.3110,
0.3903

 23.0915, 0.3077,
0.4285


 113.9654, 0.3113,
0.3849

 14.6611, 0.3056,
0.4467


144.5754, 0.3115,
0.3804

 8.5819, 0.3020,
0.4728

180.2273, 0.3117,
0.3765

 4.4695, 0.2949,
0.5129

221.3055, 0.3119,
0.3732

 1.9395, 0.2896,
0.6036

268.1945, 0.3120,

 0.5720, 0.0000,

0.3703

1.0000

321.2787, 0.3121,
0.3678

0.0000, 0.0000,
0.0000

48.5435, 0.3099,
0.4049

48.5435, 0.3099,
0.4049

46.3554, 0.3085,
0.4388

51.1449, 0.3111,
0.3738

44.5535, 0.3070,
0.4743

54.1727, 0.3121,
0.3459

43.1173, 0.3054,
0.5094

57.6471, 0.3130,
0.3215

42.0217, 0.3039,
0.5416

61.5852, 0.3137,
0.3003

41.2386, 0.3024,
0.5683

66.0031, 0.3143,
0.2821

■ 40.7355, 0.3012,
0.5871

■ 68.8734, 0.3153,
0.2732

■ 40.4715, 0.3005,
0.5974

■ 40.4171, 0.3004,
0.5997

Harmonies

Analogous

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



48.5435, 0.3566, 0.4153



48.5435, 0.3099, 0.4049



48.5435, 0.2660, 0.3681

Triad

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



48.5435, 0.3099, 0.4049



48.5435, 0.2359, 0.2573



48.5435, 0.3954, 0.3288

Complementary

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



48.5435, 0.3099, 0.4049



36.1975, 0.3149, 0.2629

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.



48.5435, 0.3582, 0.2931



48.5435, 0.3099, 0.4049



48.5435, 0.2655, 0.2532

Square

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



48.5435, 0.3099, 0.4049



48.5435, 0.2255, 0.2804



48.5435, 0.3097, 0.2663



48.5435, 0.4083, 0.3668

Rectangle

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



48.5435, 0.3099, 0.4049



48.5435, 0.2439, 0.3363



48.5435, 0.3097, 0.2663



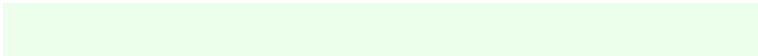
48.5435, 0.3852, 0.3163

Sweetspot

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



48.5456, 0.3099, 0.4049



95.1537, 0.3120, 0.3495



53.6411, 0.3533, 0.3932



20.1842, 0.3118, 0.3536



0.0000, 0.0000, 0.0000



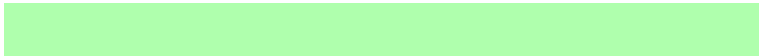
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5456, 0.3099, 0.4049



83.6571, 0.3091, 0.4239



49.3038, 0.2923, 0.3686



11.8971, 0.3119, 0.3528



26.2851, 0.3005, 0.5996



1.2480, 0.3021, 0.5983

Inverse Universe

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



36.1975, 0.3149, 0.2629



58.2340, 0.3153, 0.2489



35.2808, 0.3399, 0.2926



10.8062, 0.3135, 0.3062



10.1420, 0.3163, 0.1516



0.4835, 0.3173, 0.1522

Previews

White Background



This preview shows how the Yxy color 48.5435, 0.3099, 0.4049 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 48.5435, 0.3099, 0.4049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

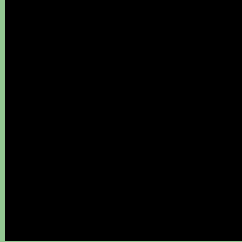
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5435, 0.3099, 0.4049

Background



This preview shows how black text looks on a background with the Yxy color 48.5435, 0.3099, 0.4049.

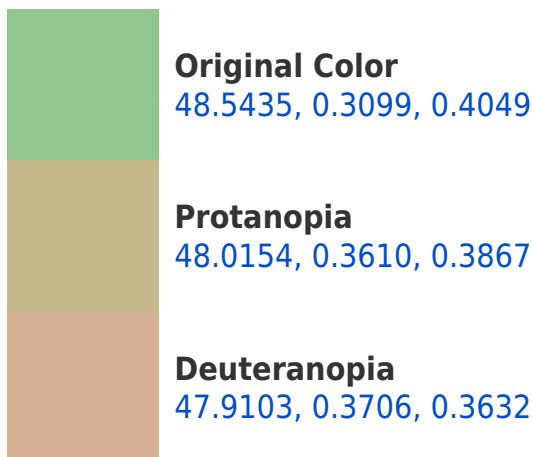


This preview shows how white text looks on a background with the Yxy color 48.5435, 0.3099, 0.4049.

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





Tritanopia

48.4028, 0.2768, 0.3092

Trichromacy



Original Color

48.5435, 0.3099, 0.4049

Protanomaly

47.7833, 0.3408, 0.3936

Deuteranomaly

47.6549, 0.3460, 0.3775

Tritanomaly

48.3311, 0.2889, 0.3426

Monochromacy



Original Color

48.5435, 0.3099, 0.4049

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.9969, 0.3115, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5435, 0.3099, 0.4049 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(146, 198, 145)` looks like.

```
.text, #text, p{  
    color:rgb(146, 198, 145)  
}
```

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(146, 198, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 198, 145) }
```

Border

The CSS property to change the border of an element to Yxy 48.5435, 0.3099, 0.4049 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(146, 198, 145) }
```

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

```
.border{ border-color:rgb(146, 198, 145) }
```

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

Here you see how a box with a 4 pixel rgb(146, 198, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 198, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 198, 145);  
box-shadow:4px 4px 4px 4px rgb(146, 198,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5435, 0.3099, 0.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 198, 145) }
```

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

```
.background{ background-color: rgb(146,  
198, 145) }
```

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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