

Converting Colors

Yxy(49.8883, 0.2911, 0.4049)

Have a look what the booklet for
Yxy(49.8883, 0.2911, 0.4049)
contains.

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Color

Yxy(49.8883, 0.2911, 0.4049)

Conversions

Conversions Part 1

Format	Color
Hex	7ECC98
RGB	126, 204, 152
RGB Percent	49%, 80%, 60%
CMY	0.5059, 0.2000, 0.4038
CMYK	0.38, 0.00, 0.25, 0.20
HSL	140°, 43%, 65%
HSV	140°, 38%, 80%
XYZ	35.8668, 49.8883, 37.4563
YIQ	174.7500, -29.7960, -32.7080

Conversions

Conversions Part 2

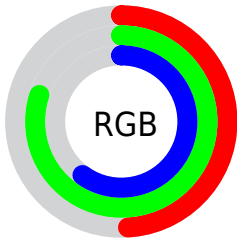
Format	Color
RYB	126, 185, 204
Decimal	8309912
CIELab	76.00, -35.24, 18.49
CIElCh	76, 39.792, 152.319
Yxy	49.8883, 0.2911, 0.4049
Android (android.graphics.Color)	4286499992 (0xFF7ECC98)
YUV	174.7500, -11.2157, -42.7537
Hunter-Lab	70.6317, -32.9629, 18.0004

Details

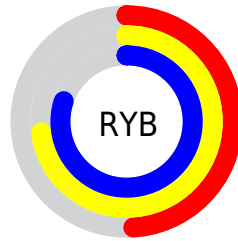
The Yxy color **49.8883, 0.2911, 0.4049** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.9745, 0.3443, 0.2640**, and the grayscale version is **42.8070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8000, 0.2955, 0.3844**, and **23.8122, 0.2833, 0.4278** is the 20% darker color. If you saturate the color by 10%, you get **48.0740, 0.2867, 0.4293**, and if you desaturate by 10%, it is **52.0740, 0.2963, 0.3822**.

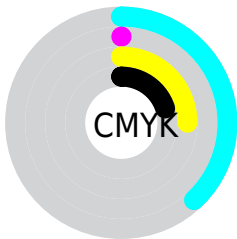
Distribution



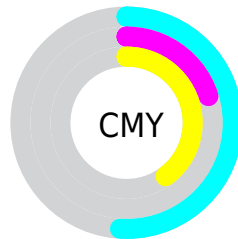
- Red (49%)
- Green (80%)
- Blue (60%)



- Red (49%)
- Yellow (73%)
- Blue (80%)



- Cyan (38%)
- Magenta (0%)
- Yellow (25%)
- Black (20%)




- Cyan (51%)
- Magenta (20%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8883, 0.2911, 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 49.8883, 0.2911, 0.4049 by changing the saturation by 10% instead.


 49.8883, 0.2911,
0.4049


 49.8883, 0.2911,
0.4049


386.2290, 0.3027,
0.3656


 35.3247, 0.2879,
0.4152


 90.0094, 0.2955,
0.3903

 23.9131, 0.2837,
0.4286


 116.3356, 0.2971,
0.3849

 15.2691, 0.2779,
0.4468


 147.3514, 0.2984,
0.3804

 9.0085, 0.2692,
0.4731

183.4413, 0.2995,
0.3765

 4.7467, 0.2551,
0.5138

224.9896, 0.3005,
0.3732

 2.0994, 0.2313,
0.5899

272.3807, 0.3013,

 0.6643, 0.0000,

0.3703

1.0000

325.9990, 0.3021,
0.3678

0.0000, 0.0000,
0.0000

49.8883, 0.2911,
0.4049

49.8883, 0.2911,
0.4049

48.0740, 0.2867,
0.4293

52.0740, 0.2963,
0.3822

46.6039, 0.2835,
0.4548

54.6442, 0.3019,
0.3614

45.4567, 0.2817,
0.4806

57.6190, 0.3078,
0.3428

44.6061, 0.2816,
0.5057

61.0152, 0.3138,
0.3262

44.0216, 0.2832,
0.5288

64.8487, 0.3196,
0.3117

 43.6577, 0.2862,
0.5490

 69.1344, 0.3253,
0.2989

 43.6044, 0.2868,
0.5523

 71.1732, 0.3205,
0.2864

 71.6663, 0.3151,
0.2792

Harmonies

Analogous

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



49.8883, 0.3445, 0.4277



49.8883, 0.2911, 0.4049



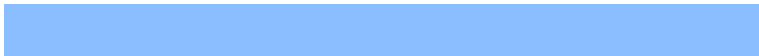
49.8883, 0.2460, 0.3553

Triad

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



49.8883, 0.2911, 0.4049



49.8883, 0.2351, 0.2444



49.8883, 0.4155, 0.3424

Complementary

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



49.8883, 0.2911, 0.4049



30.9745, 0.3443, 0.2640

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.



49.8883, 0.3811, 0.3010



49.8883, 0.2911, 0.4049



49.8883, 0.2745, 0.2469

Square

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



49.8883, 0.2911, 0.4049



49.8883, 0.2161, 0.2624



49.8883, 0.3279, 0.2672



49.8883, 0.4188, 0.3843

Rectangle

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



49.8883, 0.2911, 0.4049



49.8883, 0.2260, 0.3185



49.8883, 0.3279, 0.2672



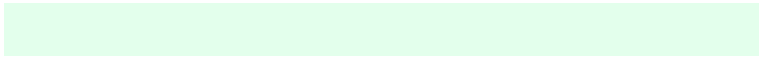
49.8883, 0.4071, 0.3282

Sweetspot

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



49.8904, 0.2911, 0.4049



93.9168, 0.3061, 0.3480



54.1582, 0.3476, 0.4306



19.9544, 0.3053, 0.3505



0.0000, 0.0000, 0.0000



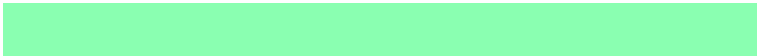
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8904, 0.2911, 0.4049



80.0655, 0.2874, 0.4252



51.3841, 0.2674, 0.3469



12.5977, 0.3071, 0.3448



27.4604, 0.2861, 0.5498



1.4307, 0.2747, 0.5089

Inverse Universe

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



30.9745, 0.3443, 0.2640



44.3018, 0.3539, 0.2502



29.6252, 0.3904, 0.3124



11.3376, 0.3188, 0.3137



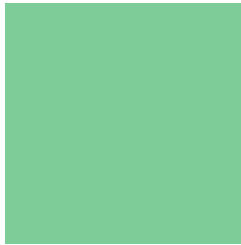
9.2156, 0.4264, 0.2123



0.4892, 0.4008, 0.1982

Previews

White Background



This preview shows how the Yxy color 49.8883, 0.2911, 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 49.8883, 0.2911, 0.4049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

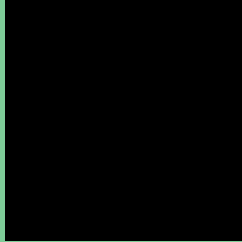
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8883, 0.2911, 0.4049

Background



This preview shows how black text looks on a background with the Yxy color 49.8883, 0.2911, 0.4049.

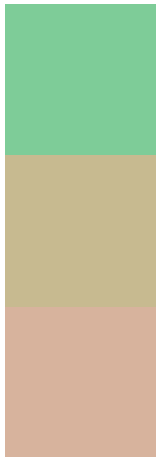


This preview shows how white text looks on a background with the Yxy color 49.8883, 0.2911, 0.4049.

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



Original Color

49.8883, 0.2911, 0.4049

Protanopia

49.2735, 0.3580, 0.3823

Deuteranopia

49.1216, 0.3638, 0.3557



Tritanopia

49.7223, 0.2615, 0.3076

Trichromacy



Original Color

49.8883, 0.2911, 0.4049

Protanomaly

49.0172, 0.3301, 0.3913

Deuteranomaly

48.4003, 0.3343, 0.3726

Tritanomaly

49.6329, 0.2720, 0.3414

Monochromacy



Original Color

49.8883, 0.2911, 0.4049

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

45.0759, 0.3033, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8883, 0.2911, 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(126, 204, 152)` looks like.

```
.text, #text, p{  
    color:rgb(126, 204, 152)  
}
```

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(126, 204, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 204, 152) }
```

Border

The CSS property to change the border of an element to Yxy 49.8883, 0.2911, 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(126, 204, 152) }
```

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

```
.border{ border-color:rgb(126, 204, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 204, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 204, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 204, 152);  
box-shadow:4px 4px 4px 4px rgb(126, 204,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8883, 0.2911, 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(126, 204, 152) }
```

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

```
.background{ background-color: rgb(126,  
204, 152) }
```

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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