

Converting Colors

$Yxy(49.8732, 0.2947, 0.4110)$

Have a look what the booklet for
Yxy(49.8732, 0.2947, 0.4110)
contains.

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Color

Yxy(49.9130, 0.2949, 0.4108)

Conversions

Conversions Part 1

Format	Color
Hex	80CC94
RGB	128, 204, 148
RGB Percent	50%, 80%, 58%
CMY	0.4983, 0.1999, 0.4196
CMYK	0.37, 0.00, 0.27, 0.20
HSL	136°, 43%, 65%
HSV	136°, 37%, 80%
XYZ	35.8309, 49.9130, 35.7580
YIQ	174.8920, -27.3200, -33.5280

Conversions

Conversions Part 2

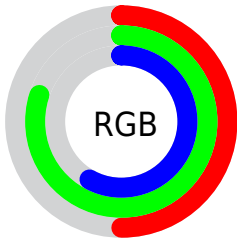
Format	Color
RYB	128, 188, 204
Decimal	8440980
CIELab	76.02, -35.42, 20.66
CIELCh	76, 41.009, 149.746
Yxy	49.9130, 0.2949, 0.4108
Android (android.graphics.Color)	4286631060 (0xFF80CC94)
YUV	174.8920, -13.2578, -41.1243
Hunter-Lab	70.6491, -33.1066, 19.4456

Details

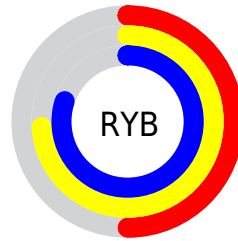
The Yxy color **49.9130, 0.2949, 0.4108** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.7171, 0.3375, 0.2595**, and the grayscale version is **42.8835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8515, 0.2987, 0.3889**, and **23.8538, 0.2888, 0.4358** is the 20% darker color. If you saturate the color by 10%, you get **48.0448, 0.2911, 0.4377**, and if you desaturate by 10%, it is **52.1651, 0.2993, 0.3857**.

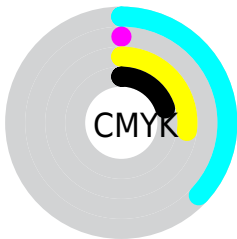
Distribution



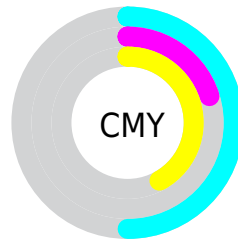
- Red (50%)
- Green (80%)
- Blue (58%)



- Red (50%)
- Yellow (74%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)





- Cyan (50%)
- Magenta (20%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9130, 0.2949, 0.4108 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 49.9130, 0.2949, 0.4108 by changing the saturation by 10% instead.


 49.9130, 0.2949,
0.4108

 49.9130, 0.2949,
0.4108


386.3256, 0.3048,
0.3683


 35.3443, 0.2921,
0.4219


 90.0460, 0.2987,
0.3950

 23.9282, 0.2884,
0.4364


 116.3790, 0.3001,
0.3892

 15.2804, 0.2830,
0.4562


 147.4022, 0.3012,
0.3843

 9.0164, 0.2749,
0.4846

183.5001, 0.3021,
0.3801

 4.7519, 0.2614,
0.5284

225.0570, 0.3029,
0.3766

 2.1024, 0.2407,
0.6167

272.4573, 0.3036,

 0.6660, 0.0000,

0.3735

1.0000

326.0853, 0.3042,
0.3707

0.0000, 0.0000,
0.0000

49.9130, 0.2949,
0.4108

49.9130, 0.2949,
0.4108

48.0448, 0.2911,
0.4377

52.1651, 0.2993,
0.3857

46.5327, 0.2883,
0.4657

54.8146, 0.3041,
0.3629

45.3551, 0.2867,
0.4937


57.8820, 0.3091,
0.3424


44.4852, 0.2865,
0.5204


61.3847, 0.3140,
0.3243

43.8919, 0.2879,
0.5443

65.3389, 0.3189,
0.3085

 43.5336, 0.2906,
0.5642

 69.7599, 0.3235,
0.2946

 43.4584, 0.2913,
0.5688

 71.5548, 0.3163,
0.2809

 71.6739, 0.3151,
0.2792

Harmonies

Analogous

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



49.9130, 0.3499, 0.4311



49.9130, 0.2949, 0.4108



49.9130, 0.2473, 0.3610

Triad

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



49.9130, 0.2949, 0.4108



49.9130, 0.2304, 0.2428



49.9130, 0.4168, 0.3388

Complementary

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



49.9130, 0.2949, 0.4108



31.7171, 0.3375, 0.2595

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.



49.9130, 0.3789, 0.2968



49.9130, 0.2949, 0.4108



49.9130, 0.2692, 0.2437

Square

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



49.9130, 0.2949, 0.4108



49.9130, 0.2129, 0.2630



49.9130, 0.3233, 0.2631



49.9130, 0.4229, 0.3821

Rectangle

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



49.9130, 0.2949, 0.4108



49.9130, 0.2256, 0.3227



49.9130, 0.3233, 0.2631



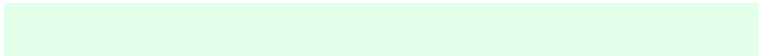
49.9130, 0.4073, 0.3243

Sweetspot

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



49.9151, 0.2949, 0.4108



93.8032, 0.3072, 0.3500



55.0640, 0.3522, 0.4262



19.9275, 0.3065, 0.3528



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.



49.9151, 0.2949, 0.4108



80.0388, 0.2917, 0.4330



51.2798, 0.2721, 0.3555



12.5847, 0.3081, 0.3465



27.3613, 0.2907, 0.5665



1.4244, 0.2796, 0.5265

Inverse Universe

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



31.7171, 0.3375, 0.2595



45.5113, 0.3449, 0.2445



30.3634, 0.3800, 0.3046



11.3513, 0.3177, 0.3121



9.4861, 0.4004, 0.1980



0.5015, 0.3816, 0.1876

Previews

White Background



This preview shows how the Yxy color 49.9130, 0.2949, 0.4108 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 49.9130, 0.2949, 0.4108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

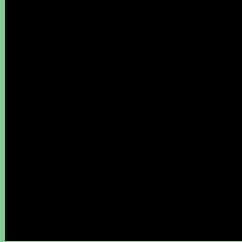
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9130, 0.2949, 0.4108

Background



This preview shows how black text looks on a background with the Yxy color 49.9130, 0.2949, 0.4108.

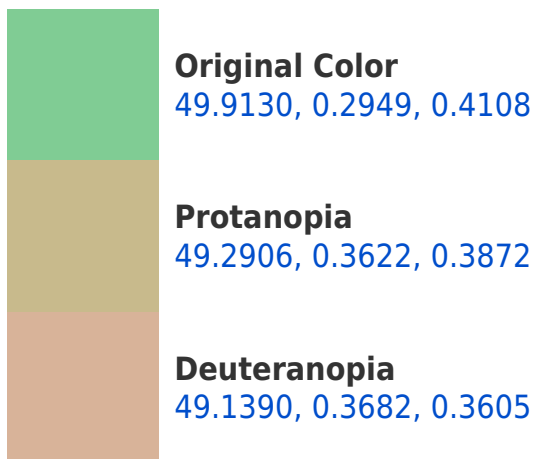


This preview shows how white text looks on a background with the Yxy color 49.9130, 0.2949, 0.4108.

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

49.8457, 0.2633, 0.3090

Trichromacy



Original Color

49.9130, 0.2949, 0.4108



Protanomaly

49.1218, 0.3348, 0.3965



Deuteranomaly

48.3912, 0.3384, 0.3779



Tritanomaly

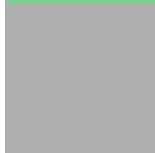
49.7119, 0.2745, 0.3442

Monochromacy



Original Color

49.9130, 0.2949, 0.4108



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.1035, 0.3056, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9130, 0.2949, 0.4108 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(128, 204, 148)` looks like.

```
.text, #text, p{  
    color:rgb(128, 204, 148)  
}
```

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(128, 204, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 204, 148) }
```

Border

The CSS property to change the border of an element to Yxy 49.9130, 0.2949, 0.4108 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(128, 204, 148) }
```

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

```
.border{ border-color:rgb(128, 204, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 204, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 204, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 204, 148);  
box-shadow:4px 4px 4px 4px rgb(128, 204,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9130, 0.2949, 0.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 204, 148) }
```

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

```
.background{ background-color: rgb(128,  
204, 148) }
```

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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