

Converting Colors

$Yxy(49.8517, 0.2954, 0.4127)$

Have a look what the booklet for
Yxy(49.8517, 0.2954, 0.4127)
contains.

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Color

Yxy(49.8815, 0.2956, 0.4123)

Conversions

Conversions Part 1

Format	Color
Hex	80CC93
RGB	128, 204, 147
RGB Percent	50%, 80%, 58%
CMY	0.4979, 0.2000, 0.4236
CMYK	0.37, 0.00, 0.28, 0.20
HSL	135°, 43%, 65%
HSV	135°, 37%, 80%
XYZ	35.7627, 49.8815, 35.3393
YIQ	174.7780, -26.9990, -33.8390

Conversions

Conversions Part 2

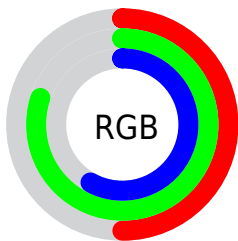
Format	Color
RYB	128, 189, 204
Decimal	8440979
CIELab	76.00, -35.57, 21.17
CIELCh	76, 41.393, 149.241
Yxy	49.8815, 0.2956, 0.4123
Android (android.graphics.Color)	4286631059 (0xFF80CC93)
YUV	174.7780, -13.6946, -41.0243
Hunter-Lab	70.6268, -33.2114, 19.7721

Details

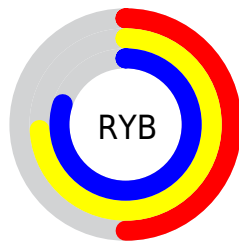
The Yxy color **49.8815, 0.2956, 0.4123** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.7867, 0.3363, 0.2583**, and the grayscale version is **42.8343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8043, 0.2993, 0.3900**, and **23.8353, 0.2895, 0.4379** is the 20% darker color. If you saturate the color by 10%, you get **48.0081, 0.2919, 0.4397**, and if you desaturate by 10%, it is **52.1410, 0.2999, 0.3867**.

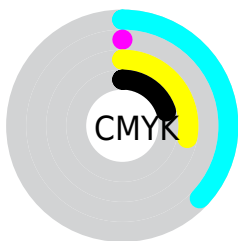
Distribution



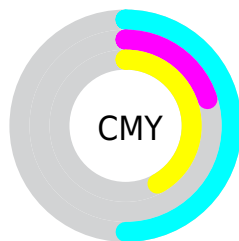
- Red (50%)
- Green (80%)
- Blue (58%)



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



- Cyan (37%)
- Magenta (0%)
- Yellow (28%)
- Black (20%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8815, 0.2956, 0.4123 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 49.8815, 0.2956, 0.4123 by changing the saturation by 10% instead.


 49.8815, 0.2956,
0.4123


 49.8815, 0.2956,
0.4123


386.2024, 0.3052,
0.3690

 35.3193, 0.2929,
0.4236


 89.9993, 0.2993,
0.3962

 23.9089, 0.2892,
0.4384


 116.3236, 0.3006,
0.3903

 15.2661, 0.2839,
0.4586


 147.3374, 0.3017,
0.3853

 9.0063, 0.2759,
0.4875

183.4251, 0.3026,
0.3811

 4.7453, 0.2624,
0.5322

224.9710, 0.3034,
0.3774

 2.0986, 0.2424,
0.6243

272.3596, 0.3041,

 0.6638, 0.0000,

0.3742

1.0000

325.9752, 0.3046,
0.3715

0.0000, 0.0000,
0.0000

49.8815, 0.2956,
0.4123

49.8815, 0.2956,
0.4123

48.0081, 0.2919,
0.4397

52.1410, 0.2999,
0.3867

46.4929, 0.2892,
0.4682

54.8004, 0.3045,
0.3634

45.3142, 0.2876,
0.4966


57.8803, 0.3093,
0.3426


44.4450, 0.2875,
0.5235


61.3980, 0.3140,
0.3242


43.8541, 0.2889,
0.5475

65.3699, 0.3186,
0.3080

 43.4998, 0.2915,
0.5671

 69.8116, 0.3230,
0.2939

 43.4247, 0.2922,
0.5718

 71.6118, 0.3156,
0.2799

 71.6665, 0.3151,
0.2792

Harmonies

Analogous

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



49.8815, 0.3511, 0.4322



49.8815, 0.2956, 0.4123



49.8815, 0.2474, 0.3623

Triad

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



49.8815, 0.2956, 0.4123



49.8815, 0.2292, 0.2422



49.8815, 0.4174, 0.3381

Complementary

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



49.8815, 0.2956, 0.4123



31.7867, 0.3363, 0.2583

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.



49.8815, 0.3787, 0.2958



49.8815, 0.2956, 0.4123



49.8815, 0.2679, 0.2428

Square

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



49.8815, 0.2956, 0.4123



49.8815, 0.2119, 0.2629



49.8815, 0.3223, 0.2621



49.8815, 0.4242, 0.3818

Rectangle

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



49.8815, 0.2956, 0.4123



49.8815, 0.2253, 0.3235



49.8815, 0.3223, 0.2621



49.8815, 0.4076, 0.3235

Sweetspot

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



49.8836, 0.2956, 0.4123



93.7804, 0.3074, 0.3504



55.2190, 0.3532, 0.4257



19.9221, 0.3067, 0.3533



0.0000, 0.0000, 0.0000



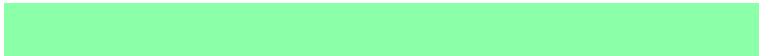
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8836, 0.2956, 0.4123



79.9774, 0.2925, 0.4351



51.2273, 0.2729, 0.3573



12.5821, 0.3082, 0.3469



27.3443, 0.2915, 0.5695



1.4232, 0.2805, 0.5299

Inverse Universe

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



31.7867, 0.3363, 0.2583



45.6004, 0.3434, 0.2430



30.4292, 0.3783, 0.3030



11.3540, 0.3175, 0.3118



9.5451, 0.3954, 0.1952



0.5041, 0.3778, 0.1855

Previews

White Background



This preview shows how the Yxy color 49.8815, 0.2956, 0.4123 looks on a white background.

Color Contrast Check

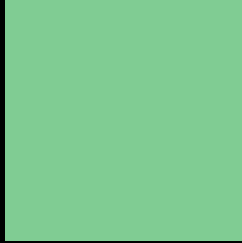
Large Text (above 18pt) WCAG AA × Fail

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 49.8815, 0.2956, 0.4123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

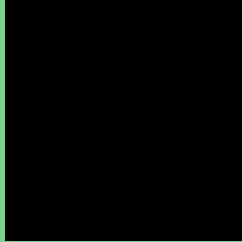
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8815, 0.2956, 0.4123

Background



This preview shows how black text looks on a background with the Yxy color 49.8815, 0.2956, 0.4123.

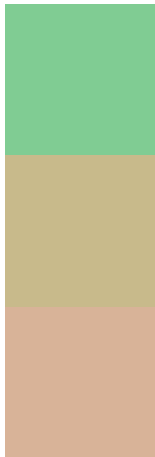


This preview shows how white text looks on a background with the Yxy color 49.8815, 0.2956, 0.4123.

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

49.8815, 0.2956, 0.4123

Protanopia

49.2613, 0.3631, 0.3885

Deuteranopia

49.1061, 0.3691, 0.3617



Tritanopia

49.8457, 0.2633, 0.3090

Trichromacy



Original Color

49.8815, 0.2956, 0.4123

Protanomaly

49.0916, 0.3356, 0.3979

Deuteranomaly

48.3588, 0.3392, 0.3792

Tritanomaly

49.7119, 0.2745, 0.3442

Monochromacy



Original Color

49.8815, 0.2956, 0.4123

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 49.8815, 0.2956, 0.4123 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(128, 204, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 204, 147) }
```

Border

The CSS property to change the border of an element to Yxy 49.8815, 0.2956, 0.4123 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, 147) }
```

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

```
.border{ border-color:rgb(128, 204, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 204, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 204, 147);  
box-shadow:4px 4px 4px 4px rgb(128, 204,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8815, 0.2956, 0.4123 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, 147) }
```

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

```
.background{ background-color: rgb(128,  
204, 147) }
```

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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