

Converting Colors

$Y_{xy}(49.7095, 0.2895, 0.3957)$

Have a look what the booklet for
Yxy(49.7095, 0.2895, 0.3957)
contains.

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Color

Yxy(49.7354, 0.2892, 0.3958)

Conversions

Conversions Part 1

Format	Color
Hex	80CB9D
RGB	128, 203, 157
RGB Percent	50%, 80%, 62%
CMY	0.4982, 0.2039, 0.3843
CMYK	0.37, 0.00, 0.23, 0.20
HSL	143°, 42%, 65%
HSV	143°, 37%, 80%
XYZ	36.3403, 49.7354, 39.5822
YIQ	175.3310, -29.9340, -30.2060

Conversions

Conversions Part 2

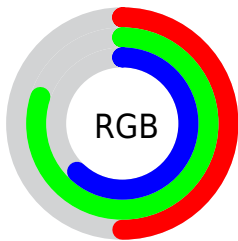
Format	Color
RYB	128, 182, 203
Decimal	8440733
CIELab	75.91, -33.25, 15.72
CIELCh	76, 36.778, 154.695
Yxy	49.7354, 0.2892, 0.3958
Android (android.graphics.Color)	4286630813 (0xFF80CB9D)
YUV	175.3310, -9.0372, -41.5093
Hunter-Lab	70.5233, -31.4358, 16.0890

Details

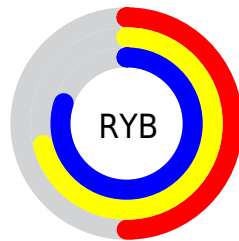
The Yxy color **49.7354, 0.2892, 0.3958** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.1836, 0.3473, 0.2709**, and the grayscale version is **43.1071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3407, 0.2934, 0.3772**, and **23.7163, 0.2815, 0.4148** is the 20% darker color. If you saturate the color by 10%, you get **47.9143, 0.2842, 0.4180**, and if you desaturate by 10%, it is **51.9189, 0.2950, 0.3752**.

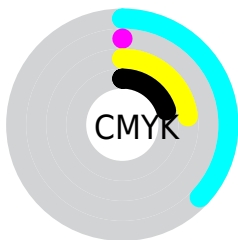
Distribution



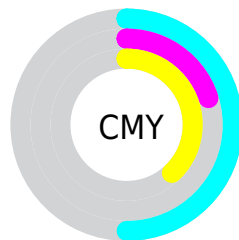
- Red (50%)
- Green (80%)
- Blue (62%)



- Red (50%)
- Yellow (71%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (23%)
- Black (20%)




- Cyan (50%)
- Magenta (20%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7354, 0.2892, 0.3958 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 49.7354, 0.2892, 0.3958 by changing the saturation by 10% instead.


 49.7354, 0.2892,
0.3958


 49.7354, 0.2892,
0.3958


385.6303, 0.3015,
0.3613

 35.2032, 0.2859,
0.4048


 89.7827, 0.2938,
0.3830

 23.8194, 0.2816,
0.4165


 116.0666, 0.2955,
0.3783

 15.1997, 0.2757,
0.4324


 147.0365, 0.2969,
0.3743

 8.9597, 0.2670,
0.4553

183.0769, 0.2981,
0.3709

 4.7149, 0.2534,
0.4907

224.5720, 0.2992,
0.3680

 2.0810, 0.2292,
0.5532

271.9064, 0.3001,

 0.6539, 0.0000,

0.3655

1.0000

325.4643, 0.3009,
0.3633

0.0000, 0.0000,
0.0000

49.7354, 0.2892,
0.3958

49.7354, 0.2892,
0.3958

47.9143, 0.2842,
0.4180

51.9189, 0.2950,
0.3752

46.4291, 0.2804,
0.4413

54.4771, 0.3014,
0.3565

45.2597, 0.2780,
0.4653


57.4293, 0.3080,
0.3396

44.3810, 0.2774,
0.4889


60.7916, 0.3148,
0.3246


43.7640, 0.2787,
0.5114

64.5794, 0.3214,
0.3114

 43.3700, 0.2817,
0.5318

 68.8071, 0.3278,
0.2999

 43.2740, 0.2827,
0.5376

 70.5158, 0.3228,
0.2883

 71.1962, 0.3151,
0.2782

Harmonies

Analogous

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



49.7354, 0.3387, 0.4194



49.7354, 0.2892, 0.3958



49.7354, 0.2481, 0.3494

Triad

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



49.7354, 0.2892, 0.3958



49.7354, 0.2428, 0.2497



49.7354, 0.4091, 0.3452

Complementary

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



49.7354, 0.2892, 0.3958



31.1836, 0.3473, 0.2709

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.



49.7354, 0.3793, 0.3061



49.7354, 0.2892, 0.3958



49.7354, 0.2810, 0.2533

Square

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



49.7354, 0.2892, 0.3958



49.7354, 0.2233, 0.2653



49.7354, 0.3310, 0.2735



49.7354, 0.4100, 0.3838

Rectangle

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



49.7354, 0.2892, 0.3958



49.7354, 0.2304, 0.3158



49.7354, 0.3310, 0.2735



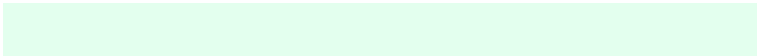
49.7354, 0.4021, 0.3318

Sweetspot

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



49.7375, 0.2892, 0.3958



94.0042, 0.3052, 0.3464



53.3007, 0.3434, 0.4281



19.9752, 0.3043, 0.3487



0.0000, 0.0000, 0.0000



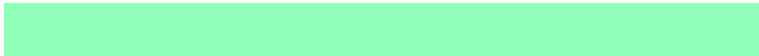
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7375, 0.2892, 0.3958



80.8958, 0.2853, 0.4126



51.2096, 0.2665, 0.3410



12.6076, 0.3064, 0.3435



27.5532, 0.2820, 0.5351



1.4362, 0.2708, 0.4948

Inverse Universe

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



31.1836, 0.3473, 0.2709



45.5779, 0.3573, 0.2590



29.9267, 0.3912, 0.3178



11.3273, 0.3196, 0.3149



9.0319, 0.4474, 0.2238



0.4805, 0.4163, 0.2067

Previews

White Background



This preview shows how the Yxy color 49.7354, 0.2892, 0.3958 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 49.7354, 0.2892, 0.3958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

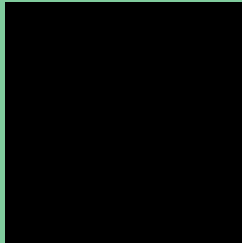
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7354, 0.2892, 0.3958

Background



This preview shows how black text looks on a background with the Yxy color 49.7354, 0.2892, 0.3958.



This preview shows how white text looks on a background with the Yxy color 49.7354, 0.2892, 0.3958.

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

49.7354, 0.2892, 0.3958

Protanopia

49.2935, 0.3530, 0.3761

Deuteranopia

48.9950, 0.3575, 0.3498



Tritanopia

49.7585, 0.2627, 0.3089

Trichromacy



Original Color

49.7354, 0.2892, 0.3958

Protanomaly

48.8505, 0.3274, 0.3830

Deuteranomaly

48.4496, 0.3295, 0.3660

Tritanomaly

49.8427, 0.2727, 0.3399

Monochromacy



Original Color

49.7354, 0.2892, 0.3958

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.7942, 0.3034, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7354, 0.2892, 0.3958 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, 203, 157)` looks like.

```
.text, #text, p{  
    color:rgb(128, 203, 157)  
}
```

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, 203, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 203, 157) }
```

Border

The CSS property to change the border of an element to Yxy 49.7354, 0.2892, 0.3958 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, 203, 157) }
```

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

```
.border{ border-color:rgb(128, 203, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 203, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 203, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 203, 157);  
box-shadow:4px 4px 4px 4px rgb(128, 203,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7354, 0.2892, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 203, 157) }
```

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

```
.background{ background-color: rgb(128,  
203, 157) }
```

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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