

Converting Colors

$Yxy(49.2646, 0.2892, 0.3945)$

Have a look what the booklet for
Yxy(49.2646, 0.2892, 0.3945)
contains.

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Color

Yxy(49.2646, 0.2892, 0.3945)

Conversions

Conversions Part 1

Format	Color
Hex	80CA9D
RGB	128, 202, 157
RGB Percent	50%, 79%, 62%
CMY	0.4978, 0.2079, 0.3843
CMYK	0.37, 0.00, 0.22, 0.21
HSL	143°, 41%, 65%
HSV	143°, 37%, 79%
XYZ	36.1149, 49.2646, 39.4991
YIQ	174.7440, -29.6590, -29.6830

Conversions

Conversions Part 2

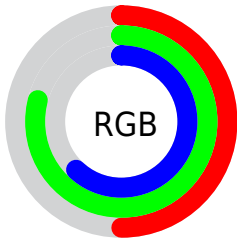
Format	Color
RYB	128, 181, 202
Decimal	8440477
CIELab	75.62, -32.75, 15.32
CIElCh	76, 36.153, 154.930
Yxy	49.2646, 0.2892, 0.3945
Android (android.graphics.Color)	4286630557 (0xFF80CA9D)
YUV	174.7440, -8.7478, -40.9945
Hunter-Lab	70.1887, -30.9850, 15.7664

Details

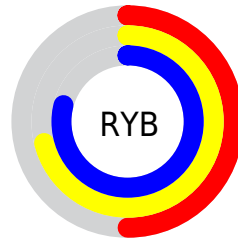
The Yxy color **49.2646, 0.2892, 0.3945** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.0311, 0.3472, 0.2719**, and the grayscale version is **42.7958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3407, 0.2934, 0.3772**, and **23.4039, 0.2813, 0.4131** is the 20% darker color. If you saturate the color by 10%, you get **47.4530, 0.2841, 0.4165**, and if you desaturate by 10%, it is **51.4344, 0.2951, 0.3741**.

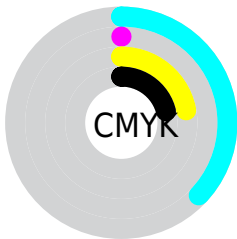
Distribution



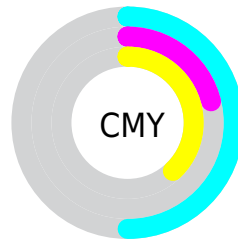
- Red (50%)
- Green (79%)
- Blue (62%)



- Red (50%)
- Yellow (71%)
- Blue (79%)



- Cyan (37%)
- Magenta (0%)
- Yellow (22%)
- Black (21%)





- Cyan (50%)
- Magenta (21%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2646, 0.2892, 0.3945 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 49.2646, 0.2892, 0.3945 by changing the saturation by 10% instead.


 49.2646, 0.2892,
0.3945


 49.2646, 0.2892,
0.3945


383.7831, 0.3015,
0.3606


 34.8294, 0.2859,
0.4033


 89.0843, 0.2938,
0.3819

 23.5315, 0.2816,
0.4148


 115.2376, 0.2955,
0.3773

 14.9865, 0.2757,
0.4305


 146.0658, 0.2969,
0.3734

 8.8099, 0.2671,
0.4530

181.9532, 0.2981,
0.3701

 4.6174, 0.2534,
0.4881

223.2842, 0.2992,
0.3672

 2.0246, 0.2293,
0.5502

270.4433, 0.3001,

 0.6217, 0.0000,

0.3648

1.0000

323.8148, 0.3008,
0.3626

0.0000, 0.0000,
0.0000

49.2646, 0.2892,
0.3945

49.2646, 0.2892,
0.3945

47.4530, 0.2841,
0.4165

51.4344, 0.2951,
0.3741

45.9737, 0.2802,
0.4396

53.9744, 0.3015,
0.3556

44.8068, 0.2778,
0.4633


56.9039, 0.3082,
0.3390

43.9276, 0.2771,
0.4869


60.2385, 0.3150,
0.3242

43.3078, 0.2783,
0.5093

63.9934, 0.3217,
0.3111

 42.9105, 0.2812,
0.5298

 68.1827, 0.3282,
0.2997

 42.8033, 0.2823,
0.5363

 69.9733, 0.3236,
0.2883

 70.7183, 0.3151,
0.2772

Harmonies

Analogous

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



49.2646, 0.3380, 0.4180



49.2646, 0.2892, 0.3945



49.2646, 0.2488, 0.3487

Triad

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



49.2646, 0.2892, 0.3945



49.2646, 0.2439, 0.2507



49.2646, 0.4079, 0.3454

Complementary

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



49.2646, 0.2892, 0.3945



31.0311, 0.3472, 0.2719

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.



49.2646, 0.3787, 0.3067



49.2646, 0.2892, 0.3945



49.2646, 0.2818, 0.2543

Square

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



49.2646, 0.2892, 0.3945



49.2646, 0.2245, 0.2659



49.2646, 0.3312, 0.2744



49.2646, 0.4086, 0.3835

Rectangle

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



49.2646, 0.2892, 0.3945



49.2646, 0.2313, 0.3156



49.2646, 0.3312, 0.2744



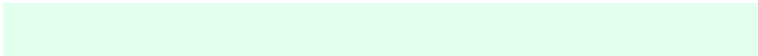
49.2646, 0.4011, 0.3322

Sweetspot

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



49.2666, 0.2892, 0.3945



94.0114, 0.3052, 0.3463



52.7577, 0.3432, 0.4270



19.9769, 0.3043, 0.3486



0.0000, 0.0000, 0.0000



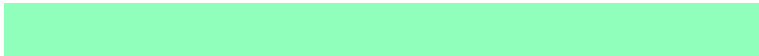
21.4041, 0.3127, 0.3290

Same Dimension

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



49.2666, 0.2892, 0.3945



80.9168, 0.2851, 0.4120



50.6994, 0.2669, 0.3408



12.6084, 0.3064, 0.3434



27.5616, 0.2816, 0.5338



1.4367, 0.2705, 0.4937

Inverse Universe

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



31.0311, 0.3472, 0.2719



45.5531, 0.3578, 0.2595



29.8086, 0.3901, 0.3179



11.3265, 0.3197, 0.3150



9.0176, 0.4492, 0.2248



0.4798, 0.4176, 0.2074

Previews

White Background



This preview shows how the Yxy color 49.2646, 0.2892, 0.3945 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 49.2646, 0.2892, 0.3945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

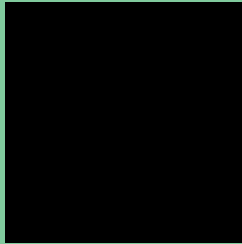
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2646, 0.2892, 0.3945

Background



This preview shows how black text looks on a background with the Yxy color 49.2646, 0.2892, 0.3945.

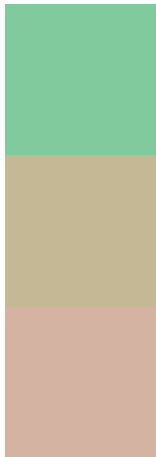


This preview shows how white text looks on a background with the Yxy color 49.2646, 0.2892, 0.3945.

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

49.2646, 0.2892, 0.3945

Protanopia

48.7382, 0.3524, 0.3750

Deuteranopia

48.8459, 0.3566, 0.3498



Tritanopia

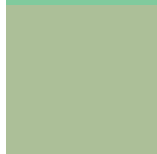
49.2588, 0.2631, 0.3089

Trichromacy



Original Color

49.2646, 0.2892, 0.3945



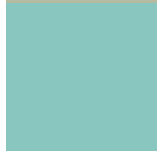
Protanomaly

48.2993, 0.3267, 0.3819



Deuteranomaly

47.9025, 0.3288, 0.3648



Tritanomaly

49.3840, 0.2725, 0.3386

Monochromacy



Original Color

49.2646, 0.2892, 0.3945



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 49.2646, 0.2892, 0.3945 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, 202, 157)` looks like.

```
.text, #text, p{  
    color:rgb(128, 202, 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, 202, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 202, 157) }
```

Border

The CSS property to change the border of an element to Yxy 49.2646, 0.2892, 0.3945 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, 202, 157) }
```

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

```
.border{ border-color:rgb(128, 202, 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, 202, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 202, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 202, 157);  
box-shadow:4px 4px 4px 4px rgb(128, 202,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2646, 0.2892, 0.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 202, 157) }
```

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

```
.background{ background-color: rgb(128,  
202, 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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