

Converting Colors

$Yxy(48.3341, 0.2913, 0.3974)$

Have a look what the booklet for
Yxy(48.3341, 0.2913, 0.3974)
contains.

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Color

Yxy(48.2308, 0.2909, 0.3965)

Conversions

Conversions Part 1

Format	Color
Hex	80C89A
RGB	128, 200, 154
RGB Percent	50%, 78%, 60%
CMY	0.4982, 0.2156, 0.3960
CMYK	0.36, 0.00, 0.23, 0.22
HSL	142°, 40%, 64%
HSV	142°, 36%, 78%
XYZ	35.3855, 48.2308, 38.0251
YIQ	173.2280, -28.1460, -29.5700

Conversions

Conversions Part 2

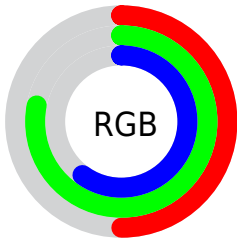
Format	Color
RYB	128, 181, 200
Decimal	8439962
CIELab	74.97, -32.42, 16.00
CIELCh	75, 36.155, 153.729
Yxy	48.2308, 0.2909, 0.3965
Android (android.graphics.Color)	4286630042 (0xFF80C89A)
YUV	173.2280, -9.4794, -39.6650
Hunter-Lab	69.4484, -30.5851, 16.1508

Details

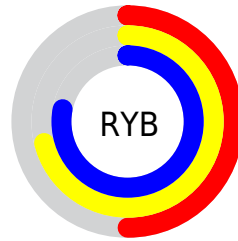
The Yxy color **48.2308, 0.2909, 0.3965** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.7618, 0.3441, 0.2703**, and the grayscale version is **41.9686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1413, 0.2955, 0.3818**, and **23.0329, 0.2836, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **46.4292, 0.2861, 0.4195**, and if you desaturate by 10%, it is **50.3873, 0.2965, 0.3752**.

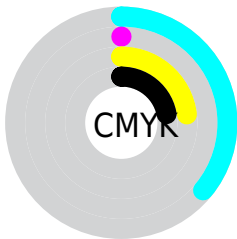
Distribution



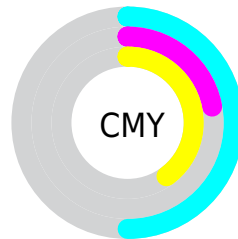
- Red (50%)
- Green (78%)
- Blue (60%)



- Red (50%)
- Yellow (71%)
- Blue (78%)



- Cyan (36%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)



- Cyan (50%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2308, 0.2909, 0.3965 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 48.2308, 0.2909, 0.3965 by changing the saturation by 10% instead.


 48.2308, 0.2909,
0.3965

 48.2308, 0.2909,
0.3965


379.7062, 0.3025,
0.3615


 34.0097, 0.2878,
0.4057


 87.5479, 0.2953,
0.3835

 22.9010, 0.2837,
0.4177

 113.4128, 0.2969,
0.3787

 14.5205, 0.2779,
0.4341


 143.9276, 0.2982,
0.3746

 8.4835, 0.2695,
0.4578

179.4769, 0.2993,
0.3712

 4.4059, 0.2559,
0.4948

220.4450, 0.3003,
0.3683

 1.9031, 0.2324,
0.5643

267.2164, 0.3011,

 0.5502, 0.0000,

0.3657

1.0000

320.1753, 0.3018,
0.3634

0.0000, 0.0000,
0.0000

48.2308, 0.2909,
0.3965

48.2308, 0.2909,
0.3965

46.4292, 0.2861,
0.4195

50.3873, 0.2965,
0.3752

44.9571, 0.2823,
0.4437

52.9106, 0.3026,
0.3559

43.7949, 0.2800,
0.4685


55.8193, 0.3089,
0.3385


42.9188, 0.2793,
0.4930

59.1292, 0.3152,
0.3231

42.3008, 0.2805,
0.5161


62.8550, 0.3215,
0.3096

 41.9063, 0.2833,
0.5370

 67.0107, 0.3275,
0.2977

 41.7856, 0.2846,
0.5446

 69.0673, 0.3235,
0.2860

 69.7931, 0.3152,
0.2752

Harmonies

Analogous

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



48.2308, 0.3401, 0.4190



48.2308, 0.2909, 0.3965



48.2308, 0.2496, 0.3509

Triad

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



48.2308, 0.2909, 0.3965



48.2308, 0.2423, 0.2504



48.2308, 0.4079, 0.3438

Complementary

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



48.2308, 0.2909, 0.3965



30.7618, 0.3441, 0.2703

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.



48.2308, 0.3775, 0.3050



48.2308, 0.2909, 0.3965



48.2308, 0.2797, 0.2534

Square

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



48.2308, 0.2909, 0.3965



48.2308, 0.2236, 0.2665



48.2308, 0.3293, 0.2730



48.2308, 0.4098, 0.3824

Rectangle

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



48.2308, 0.2909, 0.3965



48.2308, 0.2316, 0.3174



48.2308, 0.3293, 0.2730



48.2308, 0.4007, 0.3306

Sweetspot

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



48.2328, 0.2909, 0.3965



93.9629, 0.3056, 0.3472



51.9603, 0.3448, 0.4247



19.9654, 0.3048, 0.3496



0.0000, 0.0000, 0.0000



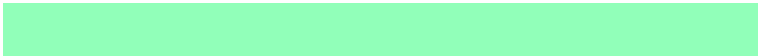
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2328, 0.2909, 0.3965



81.0750, 0.2871, 0.4138



49.5819, 0.2689, 0.3440



11.9502, 0.3068, 0.3441



26.5816, 0.2839, 0.5420



1.2725, 0.2718, 0.4984

Inverse Universe

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



30.7618, 0.3441, 0.2703



46.5415, 0.3532, 0.2580



29.5651, 0.3854, 0.3149



10.7490, 0.3192, 0.3144



8.8105, 0.4372, 0.2182



0.4307, 0.4069, 0.2015

Previews

White Background



This preview shows how the Yxy color 48.2308, 0.2909, 0.3965 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 48.2308, 0.2909, 0.3965 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 48.2308, 0.2909, 0.3965

Background



This preview shows how black text looks on a background with the Yxy color 48.2308, 0.2909, 0.3965.

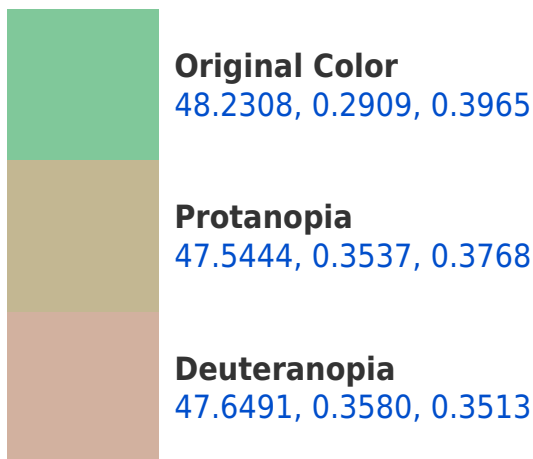


This preview shows how white text looks on a background with the Yxy color 48.2308, 0.2909, 0.3965.

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

48.1830, 0.2633, 0.3087

Trichromacy



Original Color

48.2308, 0.2909, 0.3965

Protanomaly

47.2230, 0.3284, 0.3837

Deuteranomaly

46.8355, 0.3306, 0.3665

Tritanomaly

48.2616, 0.2735, 0.3401

Monochromacy



Original Color

48.2308, 0.2909, 0.3965

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.7882, 0.3041, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2308, 0.2909, 0.3965 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, 200, 154)` looks like.

```
.text, #text, p{  
    color:rgb(128, 200, 154)  
}
```

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, 200, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 200, 154) }
```

Border

The CSS property to change the border of an element to Yxy 48.2308, 0.2909, 0.3965 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, 200, 154) }
```

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

```
.border{ border-color:rgb(128, 200, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 200, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 200, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 200, 154);  
box-shadow:4px 4px 4px 4px rgb(128, 200,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2308, 0.2909, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 200, 154) }
```

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

```
.background{ background-color: rgb(128,  
200, 154) }
```

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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