

Converting Colors

$Y_{xy}(46.7039, 0.2978, 0.4211)$

Have a look what the booklet for
Yxy(46.7039, 0.2978, 0.4211)
contains.

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Color

Yxy(46.8928, 0.2978, 0.4209)

Conversions

Conversions Part 1

Format	Color
Hex	7BC78A
RGB	123, 199, 138
RGB Percent	48%, 78%, 54%
CMY	0.5176, 0.2196, 0.4589
CMYK	0.38, 0.00, 0.31, 0.22
HSL	132°, 40%, 63%
HSV	132°, 38%, 78%
XYZ	33.1781, 46.8928, 31.3399
YIQ	169.3220, -25.7150, -35.0830

Conversions

Conversions Part 2

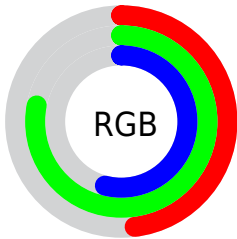
Format	Color
RYB	123, 186, 199
Decimal	8112010
CIELab	74.12, -36.40, 23.33
CIELCh	74, 43.235, 147.343
Yxy	46.8928, 0.2978, 0.4209
Android (android.graphics.Color)	4286302090 (0xFF7BC78A)
YUV	169.3220, -15.4417, -40.6244
Hunter-Lab	68.4783, -33.3528, 20.8001

Details

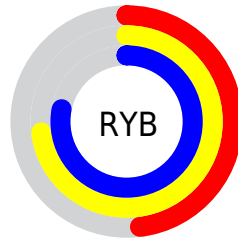
The Yxy color **46.8928, 0.2978, 0.4209** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.7708, 0.3327, 0.2521**, and the grayscale version is **39.9317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7907, 0.3011, 0.4013**, and **22.2575, 0.2915, 0.4502** is the 20% darker color. If you saturate the color by 10%, you get **45.1440, 0.2947, 0.4503**, and if you desaturate by 10%, it is **49.0119, 0.3015, 0.3933**.

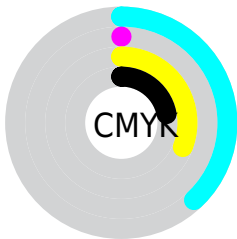
Distribution



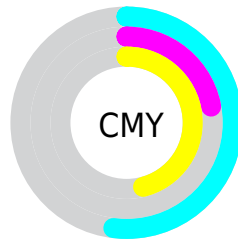
- Red (48%)
- Green (78%)
- Blue (54%)



- Red (48%)
- Yellow (73%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)





- Cyan (52%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8928, 0.2978, 0.4209 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 46.8928, 0.2978, 0.4209 by changing the saturation by 10% instead.


 46.8928, 0.2978,
0.4209

 46.8928, 0.2978,
0.4209


374.3865, 0.3066,
0.3725

 32.9509, 0.2952,
0.4337


 85.5536, 0.3013,
0.4028

 22.0888, 0.2915,
0.4506


 111.0413, 0.3025,
0.3961

 13.9222, 0.2860,
0.4739


 141.1464, 0.3035,
0.3906

 8.0666, 0.2774,
0.5076

176.2532, 0.3044,
0.3859

 4.1376, 0.2621,
0.5603

216.7463, 0.3050,
0.3818

 1.7508, 0.2469,
0.7237

263.0099, 0.3056,

 0.4562, 0.0000,

0.3783

1.0000

315.4285, 0.3061,
0.3752

0.0000, 0.0000,
0.0000

46.8928, 0.2978,
0.4209

46.8928, 0.2978,
0.4209

45.1440, 0.2947,
0.4503

49.0119, 0.3015,
0.3933

43.7385, 0.2923,
0.4805

51.5149, 0.3054,
0.3681

42.6549, 0.2911,
0.5100


54.4217, 0.3094,
0.3455


41.8669, 0.2910,
0.5373

57.7494, 0.3134,
0.3256

41.3438, 0.2922,
0.5605

61.5138, 0.3173,
0.3081

 41.0404, 0.2944,
0.5784

 65.7300, 0.3210,
0.2930

 40.9972, 0.2948,
0.5811

 69.0006, 0.3189,
0.2790

 69.3292, 0.3153,
0.2742

Harmonies

Analogous

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



46.8928, 0.3567, 0.4393



46.8928, 0.2978, 0.4209



46.8928, 0.2458, 0.3684

Triad

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



46.8928, 0.2978, 0.4209



46.8928, 0.2224, 0.2376



46.8928, 0.4227, 0.3352

Complementary

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



46.8928, 0.2978, 0.4209



29.7708, 0.3327, 0.2521

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.



46.8928, 0.3796, 0.2911



46.8928, 0.2978, 0.4209



46.8928, 0.2618, 0.2372

Square

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



46.8928, 0.2978, 0.4209



46.8928, 0.2057, 0.2606



46.8928, 0.3188, 0.2564



46.8928, 0.4320, 0.3815

Rectangle

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



46.8928, 0.2978, 0.4209



46.8928, 0.2217, 0.3266



46.8928, 0.3188, 0.2564



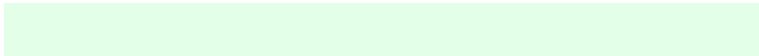
46.8928, 0.4116, 0.3198

Sweetspot

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



46.8948, 0.2978, 0.4209



93.6962, 0.3082, 0.3520



52.6025, 0.3573, 0.4270



19.9022, 0.3077, 0.3550



0.0000, 0.0000, 0.0000



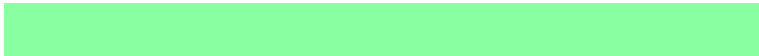
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8948, 0.2978, 0.4209



79.4646, 0.2951, 0.4457



48.1530, 0.2744, 0.3637



11.9215, 0.3090, 0.3481



26.3707, 0.2942, 0.5792



1.2591, 0.2835, 0.5404

Inverse Universe

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



29.7708, 0.3327, 0.2521



45.1703, 0.3385, 0.2358



28.4178, 0.3758, 0.2974



10.7794, 0.3167, 0.3106



9.4472, 0.3774, 0.1853



0.4567, 0.3636, 0.1776

Previews

White Background



This preview shows how the Yxy color 46.8928, 0.2978, 0.4209 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 46.8928, 0.2978, 0.4209 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 46.8928, 0.2978, 0.4209

Background



This preview shows how black text looks on a background with the Yxy color 46.8928, 0.2978, 0.4209.



This preview shows how white text looks on a background with the Yxy color 46.8928, 0.2978, 0.4209.

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

46.8928, 0.2978, 0.4209

Protanopia

46.2616, 0.3677, 0.3951

Deuteranopia

46.2523, 0.3752, 0.3673



Tritanopia

46.6015, 0.2627, 0.3071

Trichromacy



Original Color

46.8928, 0.2978, 0.4209



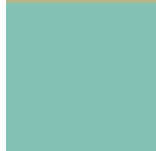
Protanomaly

46.0949, 0.3392, 0.4053



Deuteranomaly

45.4934, 0.3441, 0.3859



Tritanomaly

46.3817, 0.2755, 0.3461

Monochromacy



Original Color

46.8928, 0.2978, 0.4209



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.7865, 0.3061, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8928, 0.2978, 0.4209 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(123, 199, 138)` looks like.

```
.text, #text, p{  
    color:rgb(123, 199, 138)  
}
```

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(123, 199, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 199, 138) }
```

Border

The CSS property to change the border of an element to Yxy 46.8928, 0.2978, 0.4209 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(123, 199, 138) }
```

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

```
.border{ border-color:rgb(123, 199, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 199, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 199, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 199, 138);  
box-shadow:4px 4px 4px 4px rgb(123, 199,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8928, 0.2978, 0.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 199, 138) }
```

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

```
.background{ background-color: rgb(123,  
199, 138) }
```

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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