

Converting Colors

$Yxy(46.3481, 0.2953, 0.4208)$

Have a look what the booklet for
Yxy(46.3481, 0.2953, 0.4208)
contains.

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Color

Yxy(46.1451, 0.2950, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	77C68A
RGB	119, 198, 138
RGB Percent	47%, 78%, 54%
CMY	0.5334, 0.2235, 0.4587
CMYK	0.40, 0.00, 0.30, 0.22
HSL	134°, 41%, 62%
HSV	134°, 40%, 78%
XYZ	32.3883, 46.1451, 31.2575
YIQ	167.5390, -27.8240, -35.4080

Conversions

Conversions Part 2

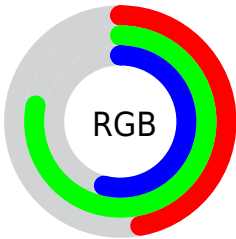
Format	Color
RYB	119, 183, 198
Decimal	7849610
CIELab	73.64, -37.14, 22.62
CIELCh	74, 43.485, 148.662
Yxy	46.1451, 0.2950, 0.4203
Android (android.graphics.Color)	4286039690 (0xFF77C68A)
YUV	167.5390, -14.5627, -42.5687
Hunter-Lab	67.9302, -33.7711, 20.2694

Details

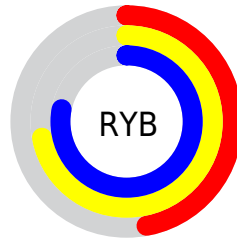
The Yxy color **46.1451, 0.2950, 0.4203** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.4461, 0.3377, 0.2527**, and the grayscale version is **39.0022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3244, 0.2989, 0.4017**, and **21.7749, 0.2875, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **44.4837, 0.2916, 0.4483**, and if you desaturate by 10%, it is **48.1624, 0.2990, 0.3940**.

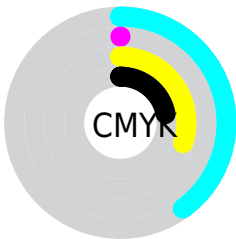
Distribution



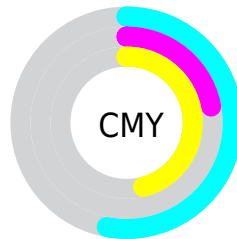
- Red (47%)
- Green (78%)
- Blue (54%)



- Red (47%)
- Yellow (72%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (30%)
- Black (22%)





- Cyan (53%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1451, 0.2950, 0.4203 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 46.1451, 0.2950, 0.4203 by changing the saturation by 10% instead.


 46.1451, 0.2950,
0.4203


 46.1451, 0.2950,
0.4203


371.3917, 0.3052,
0.3721


 32.3603, 0.2920,
0.4331


 84.4361, 0.2990,
0.4022

 21.6369, 0.2878,
0.4501


 109.7111, 0.3004,
0.3956

 13.5903, 0.2818,
0.4735


 139.5851, 0.3016,
0.3900

 7.8363, 0.2723,
0.5076

174.4423, 0.3026,
0.3853

 3.9904, 0.2557,
0.5612

214.6671, 0.3034,
0.3813

 1.6682, 0.2339,
0.7382

260.6441, 0.3041,

 0.4029, 0.0000,

0.3778

1.0000

312.7574, 0.3047,
0.3748

0.0000, 0.0000,
0.0000

46.1451, 0.2950,
0.4203

46.1451, 0.2950,
0.4203

44.4837, 0.2916,
0.4483

48.1624, 0.2990,
0.3940

43.1517, 0.2892,
0.4771

50.5488, 0.3035,
0.3698

42.1280, 0.2880,
0.5054

53.3238, 0.3081,
0.3481


41.3867, 0.2883,
0.5318


56.5040, 0.3128,
0.3288


40.8973, 0.2899,
0.5547


60.1048, 0.3173,
0.3120

 40.6046, 0.2925,
0.5730

 64.1411, 0.3216,
0.2972

 40.6024, 0.2925,
0.5731

 68.1347, 0.3238,
0.2841

 68.8710, 0.3153,
0.2732

Harmonies

Analogous

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



46.1451, 0.3545, 0.4406



46.1451, 0.2950, 0.4203



46.1451, 0.2432, 0.3660

Triad

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



46.1451, 0.2950, 0.4203



46.1451, 0.2228, 0.2362



46.1451, 0.4251, 0.3372

Complementary

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



46.1451, 0.2950, 0.4203



28.4461, 0.3377, 0.2527

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.



46.1451, 0.3828, 0.2925



46.1451, 0.2950, 0.4203



46.1451, 0.2635, 0.2368

Square

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



46.1451, 0.2950, 0.4203



46.1451, 0.2049, 0.2584



46.1451, 0.3216, 0.2569



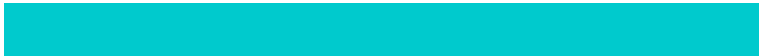
46.1451, 0.4328, 0.3839

Rectangle

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



46.1451, 0.2950, 0.4203



46.1451, 0.2195, 0.3238



46.1451, 0.3216, 0.2569



46.1451, 0.4144, 0.3217

Sweetspot

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



46.1470, 0.2950, 0.4203



93.2450, 0.3071, 0.3528



51.3734, 0.3557, 0.4326



19.8147, 0.3064, 0.3556



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.



46.1470, 0.2950, 0.4203



79.0871, 0.2920, 0.4449



47.4826, 0.2706, 0.3596



11.9291, 0.3084, 0.3470



26.4144, 0.2920, 0.5710



1.2625, 0.2802, 0.5289

Inverse Universe

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



28.4461, 0.3377, 0.2527



43.3880, 0.3451, 0.2368



27.0886, 0.3849, 0.3012



10.7712, 0.3174, 0.3116



9.2587, 0.3924, 0.1935



0.4492, 0.3745, 0.1837

Previews

White Background



This preview shows how the Yxy color 46.1451, 0.2950, 0.4203 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 46.1451, 0.2950, 0.4203 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 46.1451, 0.2950, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 46.1451, 0.2950, 0.4203.



This preview shows how white text looks on a background with the Yxy color 46.1451, 0.2950, 0.4203.

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

46.1451, 0.2950, 0.4203

Protanopia

45.7236, 0.3672, 0.3941

Deuteranopia

45.6024, 0.3728, 0.3651



Tritanopia

46.2212, 0.2608, 0.3083

Trichromacy



Original Color

46.1451, 0.2950, 0.4203



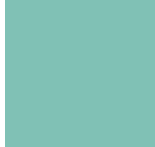
Protanomaly

45.4496, 0.3377, 0.4045



Deuteranomaly

44.7560, 0.3407, 0.3837



Tritanomaly

46.0653, 0.2729, 0.3462

Monochromacy



Original Color

46.1451, 0.2950, 0.4203



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.1586, 0.3052, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1451, 0.2950, 0.4203 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(119, 198, 138)` looks like.

```
.text, #text, p{  
    color:rgb(119, 198, 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(119, 198, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 198, 138) }
```

Border

The CSS property to change the border of an element to Yxy 46.1451, 0.2950, 0.4203 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(119, 198, 138) }
```

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

```
.border{ border-color:rgb(119, 198, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 198, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 198, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 198, 138);  
box-shadow:4px 4px 4px 4px rgb(119, 198,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1451, 0.2950, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 198, 138) }
```

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

```
.background{ background-color: rgb(119,  
198, 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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