

Converting Colors

$Yxy(46.7939, 0.2892, 0.3913)$

Have a look what the booklet for
Yxy(46.7939, 0.2892, 0.3913)
contains.

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Color

Yxy(46.8111, 0.2894, 0.3912)

Conversions

Conversions Part 1

Format	Color
Hex	7FC59B
RGB	127, 197, 155
RGB Percent	50%, 77%, 61%
CMY	0.5021, 0.2274, 0.3922
CMYK	0.36, 0.00, 0.21, 0.23
HSL	144°, 38%, 64%
HSV	144°, 36%, 77%
XYZ	34.6297, 46.8111, 38.2195
YIQ	171.2820, -28.2380, -27.9020

Conversions

Conversions Part 2

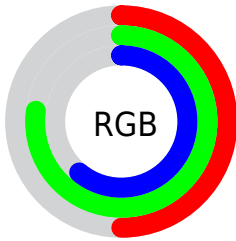
Format	Color
RYB	127, 177, 197
Decimal	8373659
CIELab	74.07, -31.11, 14.21
CIELCh	74, 34.205, 155.455
Yxy	46.8111, 0.2894, 0.3912
Android (android.graphics.Color)	4286563739 (0xFF7FC59B)
YUV	171.2820, -8.0270, -38.8353
Hunter-Lab	68.4186, -29.3859, 14.7729

Details

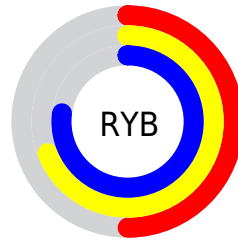
The Yxy color **46.8111, 0.2894, 0.3912** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.9023, 0.3466, 0.2744**, and the grayscale version is **40.9215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4818, 0.2939, 0.3785**, and **22.1002, 0.2815, 0.4107** is the 20% darker color. If you saturate the color by 10%, you get **45.0683, 0.2841, 0.4126**, and if you desaturate by 10%, it is **48.8924, 0.2955, 0.3714**.

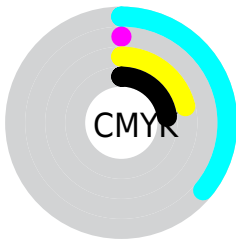
Distribution



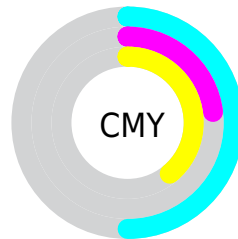
- Red (50%)
- Green (77%)
- Blue (61%)



- Red (50%)
- Yellow (69%)
- Blue (77%)



- Cyan (36%)
- Magenta (0%)
- Yellow (21%)
- Black (23%)





- Cyan (50%)
- Magenta (23%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8111, 0.2894, 0.3912 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 46.8111, 0.2894, 0.3912 by changing the saturation by 10% instead.


 46.8111, 0.2894,
0.3912


 46.8111, 0.2894,
0.3912


374.0600, 0.3017,
0.3588


 32.8863, 0.2861,
0.3997


 85.4316, 0.2940,
0.3791

 22.0394, 0.2818,
0.4108


 110.8961, 0.2957,
0.3747

 13.8858, 0.2759,
0.4261


 140.9760, 0.2971,
0.3710

 8.0413, 0.2671,
0.4483

176.0557, 0.2983,
0.3678

 4.1214, 0.2531,
0.4832

216.5195, 0.2993,
0.3651

 1.7417, 0.2277,
0.5503

262.7519, 0.3002,

 0.4504, 0.0000,

0.3627

1.0000

315.1373, 0.3010,
0.3607

0.0000, 0.0000,
0.0000

46.8111, 0.2894,
0.3912

46.8111, 0.2894,
0.3912

45.0683, 0.2841,
0.4126

48.8924, 0.2955,
0.3714

43.6396, 0.2800,
0.4353

51.3233, 0.3020,
0.3534

42.5068, 0.2773,
0.4586


54.1215, 0.3089,
0.3372


41.6472, 0.2764,
0.4819


57.3019, 0.3158,
0.3228


41.0344, 0.2773,
0.5042


60.8784, 0.3226,
0.3102


 40.6362, 0.2800,
0.5248

 64.8644, 0.3292,
0.2991

 40.5005, 0.2815,
0.5333

 67.3535, 0.3279,
0.2884

 68.0698, 0.3193,
0.2773

 68.4180, 0.3154,
0.2722

Harmonies

Analogous

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



46.8111, 0.3364, 0.4143



46.8111, 0.2894, 0.3912



46.8111, 0.2506, 0.3472

Triad

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



46.8111, 0.2894, 0.3912



46.8111, 0.2468, 0.2533



46.8111, 0.4045, 0.3457

Complementary

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



46.8111, 0.2894, 0.3912



29.9023, 0.3466, 0.2744

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.



46.8111, 0.3769, 0.3082



46.8111, 0.2894, 0.3912



46.8111, 0.2837, 0.2571

Square

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



46.8111, 0.2894, 0.3912



46.8111, 0.2277, 0.2679



46.8111, 0.3315, 0.2767



46.8111, 0.4048, 0.3823

Rectangle

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



46.8111, 0.2894, 0.3912



46.8111, 0.2339, 0.3155



46.8111, 0.3315, 0.2767



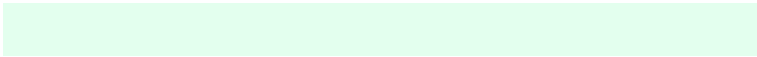
46.8111, 0.3981, 0.3329

Sweetspot

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



46.8130, 0.2894, 0.3912



94.0263, 0.3050, 0.3460



49.9029, 0.3414, 0.4242



19.9804, 0.3041, 0.3483



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.



46.8130, 0.2894, 0.3912



81.2563, 0.2851, 0.4084



48.1645, 0.2673, 0.3387



11.9571, 0.3063, 0.3432



26.6510, 0.2808, 0.5309



1.2762, 0.2689, 0.4881

Inverse Universe

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



29.9023, 0.3466, 0.2744



46.3264, 0.3574, 0.2620



28.7591, 0.3883, 0.3198



10.7419, 0.3198, 0.3152



8.6870, 0.4526, 0.2267



0.4254, 0.4181, 0.2077

Previews

White Background



This preview shows how the Yxy color 46.8111, 0.2894, 0.3912 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 46.8111, 0.2894, 0.3912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

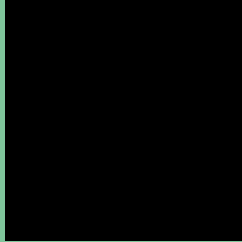
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8111, 0.2894, 0.3912

Background



This preview shows how black text looks on a background with the Yxy color 46.8111, 0.2894, 0.3912.



This preview shows how white text looks on a background with the Yxy color 46.8111, 0.2894, 0.3912.

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

46.8111, 0.2894, 0.3912

Protanopia

46.3608, 0.3506, 0.3734

Deuteranopia

46.4634, 0.3548, 0.3478



Tritanopia

46.6380, 0.2640, 0.3084

Trichromacy



Original Color

46.8111, 0.2894, 0.3912

Protanomaly

46.0675, 0.3254, 0.3802

Deuteranomaly

45.8006, 0.3284, 0.3627

Tritanomaly

46.7961, 0.2730, 0.3373

Monochromacy



Original Color

46.8111, 0.2894, 0.3912

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.3277, 0.3032, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8111, 0.2894, 0.3912 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(127, 197, 155)` looks like.

```
.text, #text, p{  
    color:rgb(127, 197, 155)  
}
```

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(127, 197, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 197, 155) }
```

Border

The CSS property to change the border of an element to Yxy 46.8111, 0.2894, 0.3912 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(127, 197, 155) }
```

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

```
.border{ border-color:rgb(127, 197, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 197, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 197, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 197, 155);  
box-shadow:4px 4px 4px 4px rgb(127, 197,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8111, 0.2894, 0.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 197, 155) }
```

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

```
.background{ background-color: rgb(127,  
197, 155) }
```

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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