

Converting Colors

$Y_{xy}(46.4959, 0.2819, 0.3112)$

Have a look what the booklet for
Yxy(46.4959, 0.2819, 0.3112)
contains.

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Color

Yxy(46.6123, 0.2819, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	9FBAC7
RGB	159, 186, 199
RGB Percent	62%, 73%, 78%
CMY	0.3764, 0.2706, 0.2196
CMYK	0.20, 0.07, 0.00, 0.22
HSL	200°, 26%, 70%
HSV	200°, 20%, 78%
XYZ	42.1695, 46.6123, 60.8084
YIQ	179.4090, -20.2650, -1.6810

Conversions

Conversions Part 2

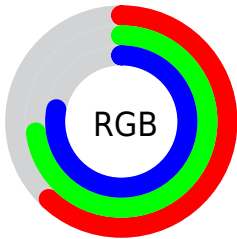
Format	Color
R_{YB}	159, 175, 199
Decimal	10468039
CIE Lab	73.94, -6.33, -9.63
CIE LCh	74, 11.523, 236.694
Yxy	46.6123, 0.2819, 0.3116
Android (android.graphics.Color)	4288658119 (0xFF9FBAC7)
YUV	179.4090, 9.6584, -17.8987
Hunter-Lab	68.2732, -9.2262, -5.0162

Details

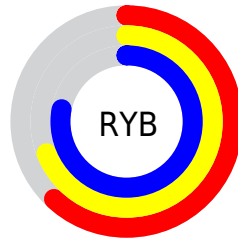
The Yxy color **46.6123, 0.2819, 0.3116** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.1635, 0.3490, 0.3458**, and the grayscale version is **45.2677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0204, 0.2877, 0.3155**, and **21.9452, 0.2736, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **42.0742, 0.2667, 0.3017**, and if you desaturate by 10%, it is **51.6054, 0.2973, 0.3207**.

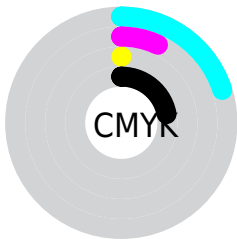
Distribution



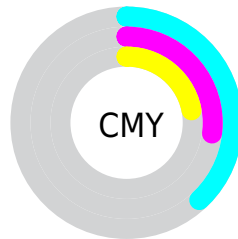
- Red (62%)
- Green (73%)
- Blue (78%)



- Red (62%)
- Yellow (69%)
- Blue (78%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)





- Cyan (38%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6123, 0.2819, 0.3116 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 46.6123, 0.2819, 0.3116 by changing the saturation by 10% instead.


 46.6123, 0.2819,
0.3116

 46.6123, 0.2819,
0.3116


373.2649, 0.2972,
0.3204

 32.7293, 0.2781,
0.3094


 85.1346, 0.2874,
0.3148

 21.9191, 0.2733,
0.3065


 110.5427, 0.2895,
0.3160

 13.7975, 0.2670,
0.3026


140.5612, 0.2913,
0.3171

 7.9800, 0.2582,
0.2971

175.5747, 0.2928,
0.3179

 4.0821, 0.2454,
0.2889

215.9673, 0.2941,
0.3187

 1.7196, 0.2248,
0.2750

262.1237, 0.2952,

 0.4363, 0.1401,

0.3193

0.2350

314.4280, 0.2963,
0.3199

0.0000, 0.0000,
0.0000

46.6123, 0.2819,
0.3116

46.6123, 0.2819,
0.3116

42.0742, 0.2667,
0.3017

51.6054, 0.2973,
0.3207

37.9680, 0.2521,
0.2909

57.0639, 0.3126,
0.3289

34.2772, 0.2384,
0.2795

63.0050, 0.3276,
0.3363

30.9815, 0.2259,
0.2676

69.4432, 0.3422,
0.3429

28.0585, 0.2151,
0.2553

75.7170, 0.3535,
0.3489

■ 25.4830, 0.2061,
0.2429

■ 79.1481, 0.3521,
0.3553

■ 23.2254, 0.1992,
0.2305

■ 82.7118, 0.3507,
0.3617

■ 21.2472, 0.1940,
0.2185

■ 86.4096, 0.3494,
0.3679

■ 90.2430, 0.3481,
0.3741

Harmonies

Analogous

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



46.6123, 0.2848, 0.3249



46.6123, 0.2819, 0.3116



46.6123, 0.2870, 0.3035

Triad

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



46.6123, 0.2819, 0.3116



46.6123, 0.3304, 0.3184



46.6123, 0.3262, 0.3573

Complementary

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



46.6123, 0.2819, 0.3116



44.1635, 0.3490, 0.3458

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.



46.6123, 0.3389, 0.3547



46.6123, 0.2819, 0.3116



46.6123, 0.3414, 0.3320

Square

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



46.6123, 0.2819, 0.3116



46.6123, 0.3147, 0.3076



46.6123, 0.3445, 0.3453



46.6123, 0.3101, 0.3518

Rectangle

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



46.6123, 0.2819, 0.3116



46.6123, 0.2943, 0.3018



46.6123, 0.3445, 0.3453



46.6123, 0.3310, 0.3573

Sweetspot

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



46.6142, 0.2819, 0.3116



94.0781, 0.3034, 0.3241



51.1883, 0.3013, 0.3660



20.0026, 0.3024, 0.3235



0.0000, 0.0000, 0.0000



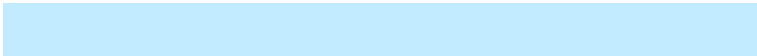
21.4041, 0.3127, 0.3290

Same Dimension

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



46.6142, 0.2819, 0.3116



78.1316, 0.2754, 0.3075



38.8990, 0.2802, 0.2845



11.4634, 0.2984, 0.3213



13.8269, 0.1945, 0.2201



0.7824, 0.2015, 0.2455

Inverse Universe

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



40.4928, 0.3266, 0.2951



65.7580, 0.3302, 0.2876



52.2028, 0.3443, 0.3699



10.7557, 0.3186, 0.3135



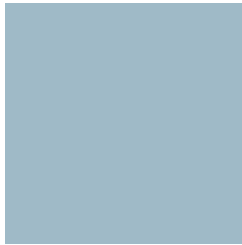
8.9358, 0.4231, 0.2104



0.4360, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 46.6123, 0.2819, 0.3116 looks on a white background.

Color Contrast Check

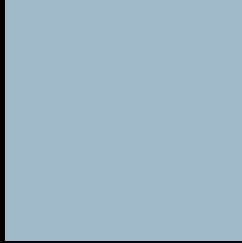
Large Text (above 18pt) WCAG AA × Fail

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 46.6123, 0.2819, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

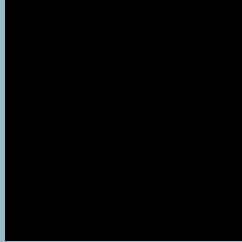
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

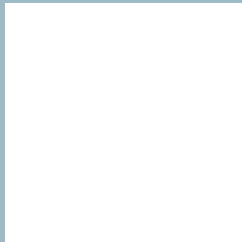
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6123, 0.2819, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 46.6123, 0.2819, 0.3116.



This preview shows how white text looks on a background with the Yxy color 46.6123, 0.2819, 0.3116.

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

46.6123, 0.2819, 0.3116

Protanopia

46.4064, 0.3018, 0.3097

Deuteranopia

46.2149, 0.3048, 0.2978



Tritanopia

46.7058, 0.2805, 0.3090

Trichromacy



Original Color

46.6123, 0.2819, 0.3116

Protanomaly

46.3257, 0.2946, 0.3107

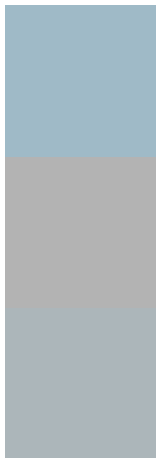
Deuteranomaly

46.3964, 0.2964, 0.3034

Tritanomaly

46.6589, 0.2812, 0.3103

Monochromacy



Original Color

46.6123, 0.2819, 0.3116

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7717, 0.3013, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6123, 0.2819, 0.3116 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(159, 186, 199)` looks like.

```
.text, #text, p{  
    color:rgb(159, 186, 199)  
}
```

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(159, 186, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 186, 199) }
```

Border

The CSS property to change the border of an element to Yxy 46.6123, 0.2819, 0.3116 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(159, 186, 199) }
```

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

```
.border{ border-color:rgb(159, 186, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 186, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 186, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 186, 199);  
box-shadow:4px 4px 4px 4px rgb(159, 186,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6123, 0.2819, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 186, 199) }
```

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

```
.background{ background-color: rgb(159,  
186, 199) }
```

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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