

Converting Colors

$Yxy(46.7987, 0.2877, 0.3177)$

Have a look what the booklet for
Yxy(46.7987, 0.2877, 0.3177)
contains.

Yxy(46.7994, 0.2884, 0.3183)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.7994, 0.2884, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	A3BAC2
RGB	163, 186, 194
RGB Percent	64%, 73%, 76%
CMY	0.3607, 0.2706, 0.2393
CMYK	0.16, 0.04, 0.00, 0.24
HSL	195°, 20%, 70%
HSV	195°, 16%, 76%
XYZ	42.4032, 46.7994, 57.8266
YIQ	180.0350, -16.2760, -2.3880

Conversions

Conversions Part 2

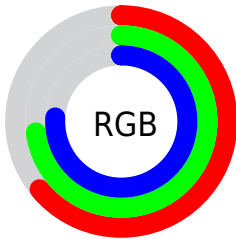
Format	Color
R_{YB}	163, 176, 194
Decimal	10730178
CIE Lab	74.06, -6.14, -6.69
CIE LCh	74, 9.079, 227.428
Yxy	46.7994, 0.2884, 0.3183
Android (android.graphics.Color)	4288920258 (0xFFA3BAC2)
YUV	180.0350, 6.8847, -14.9397
Hunter-Lab	68.4101, -9.0764, -2.2304

Details

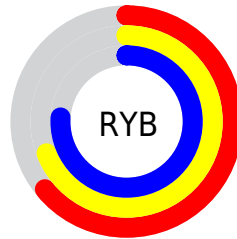
The Yxy color **46.7994, 0.2884, 0.3183** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.2431, 0.3409, 0.3395**, and the grayscale version is **45.6334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3118, 0.2929, 0.3207**, and **22.0480, 0.2821, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **42.8364, 0.2735, 0.3108**, and if you desaturate by 10%, it is **51.1542, 0.3036, 0.3252**.

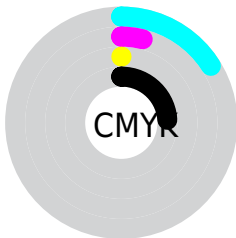
Distribution



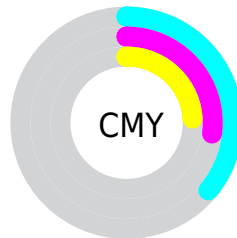
- Red (64%)
- Green (73%)
- Blue (76%)



- Red (64%)
- Yellow (69%)
- Blue (76%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (24%)




- Cyan (36%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7994, 0.2884, 0.3183 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 46.7994, 0.2884, 0.3183 by changing the saturation by 10% instead.

 46.7994, 0.2884,
0.3183


 46.7994, 0.2884,
0.3183


374.0132, 0.3005,
0.3238

 32.8771, 0.2854,
0.3169


 85.4141, 0.2928,
0.3203

 22.0323, 0.2816,
0.3151


 110.8753, 0.2944,
0.3210

 13.8806, 0.2765,
0.3127


140.9516, 0.2958,
0.3217

 8.0377, 0.2695,
0.3093

176.0274, 0.2970,
0.3222

 4.1191, 0.2592,
0.3040

216.4870, 0.2980,
0.3227

 1.7404, 0.2425,
0.2951

262.7150, 0.2989,

 0.4496, 0.1647,

0.3231

0.2670

315.0956, 0.2998,
0.3234

0.0000, 0.0000,
0.0000

46.7994, 0.2884,
0.3183

46.7994, 0.2884,
0.3183

42.8364, 0.2735,
0.3108

51.1542, 0.3036,
0.3252

39.2444, 0.2591,
0.3026

55.9090, 0.3189,
0.3314

36.0092, 0.2457,
0.2939

61.0792, 0.3339,
0.3370

33.1133, 0.2336,
0.2848

66.6773, 0.3486,
0.3420

30.5375, 0.2230,
0.2754

71.7507, 0.3588,
0.3466

■ 28.2600, 0.2142,
0.2658

■ 74.2759, 0.3577,
0.3517

■ 26.2561, 0.2074,
0.2562

■ 76.8791, 0.3565,
0.3567

■ 24.4942, 0.2025,
0.2467

■ 79.5611, 0.3554,
0.3616

■ 23.8256, 0.2008,
0.2428

■ 82.3225, 0.3542,
0.3665

Harmonies

Analogous

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



46.7994, 0.2926, 0.3295



46.7994, 0.2884, 0.3183



46.7994, 0.2905, 0.3104

Triad

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



46.7994, 0.2884, 0.3183



46.7994, 0.3231, 0.3177



46.7994, 0.3269, 0.3512

Complementary

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



46.7994, 0.2884, 0.3183



43.2431, 0.3409, 0.3395

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.



46.7994, 0.3353, 0.3475



46.7994, 0.2884, 0.3183



46.7994, 0.3332, 0.3281

Square

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



46.7994, 0.2884, 0.3183



46.7994, 0.3103, 0.3102



46.7994, 0.3377, 0.3389



46.7994, 0.3147, 0.3488

Rectangle

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



46.7994, 0.2884, 0.3183



46.7994, 0.2952, 0.3078



46.7994, 0.3377, 0.3389



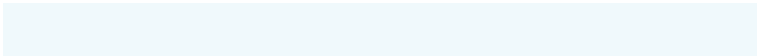
46.7994, 0.3302, 0.3506

Sweetspot

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



46.8013, 0.2884, 0.3183



93.4235, 0.3050, 0.3258



49.2971, 0.3051, 0.3605



20.3287, 0.3039, 0.3253



0.0000, 0.0000, 0.0000



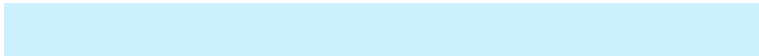
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8013, 0.2884, 0.3183



82.3292, 0.2834, 0.3159



40.7218, 0.2875, 0.2975



10.9744, 0.2984, 0.3229



15.8056, 0.2011, 0.2441



0.7889, 0.2070, 0.2652

Inverse Universe

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



41.2168, 0.3215, 0.2997



70.4919, 0.3236, 0.2934



49.3334, 0.3379, 0.3587



10.2017, 0.3176, 0.3121



8.8778, 0.3981, 0.1967



0.3943, 0.3774, 0.1852

Previews

White Background



This preview shows how the Yxy color 46.7994, 0.2884, 0.3183 looks on a white background.

Color Contrast Check

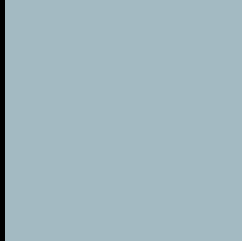
Large Text (above 18pt) WCAG AA × Fail

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 46.7994, 0.2884, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

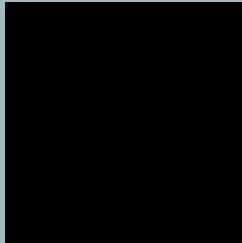
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

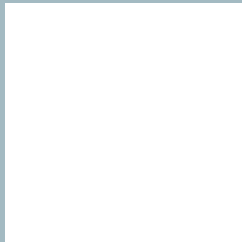
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7994, 0.2884, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 46.7994, 0.2884, 0.3183.



This preview shows how white text looks on a background with the Yxy color 46.7994, 0.2884, 0.3183.

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

46.7994, 0.2884, 0.3183

Protanopia

46.7544, 0.3057, 0.3161

Deuteranopia

46.7673, 0.3112, 0.3053



Tritanopia

46.7606, 0.2849, 0.3092

Trichromacy



Original Color

46.7994, 0.2884, 0.3183

Protanomaly

46.7867, 0.2992, 0.3172

Deuteranomaly

46.5277, 0.3027, 0.3098

Tritanomaly

46.6677, 0.2863, 0.3118

Monochromacy



Original Color

46.7994, 0.2884, 0.3183

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9574, 0.3037, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7994, 0.2884, 0.3183 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(163, 186, 194)` looks like.

```
.text, #text, p{  
    color:rgb(163, 186, 194)  
}
```

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(163, 186, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 186, 194) }
```

Border

The CSS property to change the border of an element to Yxy 46.7994, 0.2884, 0.3183 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(163, 186, 194) }
```

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

```
.border{ border-color:rgb(163, 186, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 186, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 186, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 186, 194);  
box-shadow:4px 4px 4px 4px rgb(163, 186,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7994, 0.2884, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 186, 194) }
```

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

```
.background{ background-color: rgb(163,  
186, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor