

Converting Colors

$Y_{xy}(48.7702, 0.2834, 0.3114)$

Have a look what the booklet for
Yxy(48.7702, 0.2834, 0.3114)
contains.

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Color

Yxy(48.5995, 0.2831, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	A4BDCB
RGB	164, 189, 203
RGB Percent	64%, 74%, 80%
CMY	0.3569, 0.2588, 0.2040
CMYK	0.19, 0.07, 0.00, 0.20
HSL	201°, 27%, 72%
HSV	201°, 19%, 80%
XYZ	44.2823, 48.5995, 63.5376
YIQ	183.1210, -19.3940, -0.9460

Conversions

Conversions Part 2

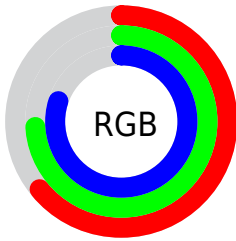
Format	Color
RYB	164, 179, 203
Decimal	10796491
CIELab	75.20, -5.49, -9.89
CIElCh	75, 11.310, 240.933
Yxy	48.5995, 0.2831, 0.3107
Android (android.graphics.Color)	4288986571 (0xFFA4BDCB)
YUV	183.1210, 9.8003, -16.7691
Hunter-Lab	69.7133, -8.6141, -5.2383

Details

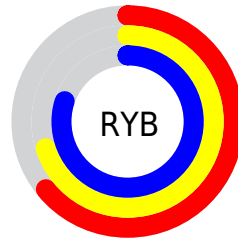
The Yxy color **48.5995, 0.2831, 0.3107** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.1980, 0.3469, 0.3466**, and the grayscale version is **47.3758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5849, 0.2908, 0.3187**, and **23.2230, 0.2753, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **43.5604, 0.2677, 0.2998**, and if you desaturate by 10%, it is **54.1442, 0.2986, 0.3207**.

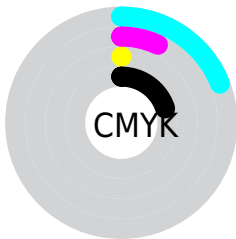
Distribution



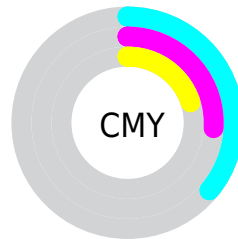
- Red (64%)
- Green (74%)
- Blue (80%)



- Red (64%)
- Yellow (70%)
- Blue (80%)



- Cyan (19%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (36%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5995, 0.2831, 0.3107 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 48.5995, 0.2831, 0.3107 by changing the saturation by 10% instead.

■ 48.5995, 0.2831,
0.3107

■ 48.5995, 0.2831,
0.3107

■ 381.1635, 0.2977,
0.3199

■ 34.3019, 0.2795,
0.3084

■ 88.0963, 0.2883,
0.3140

■ 23.1256, 0.2750,
0.3054

■ 114.0643, 0.2903,
0.3153

■ 14.6863, 0.2690,
0.3015

■ 144.6913, 0.2920,
0.3164

■ 8.5995, 0.2608,
0.2960

■ 180.3615, 0.2935,
0.3173

■ 4.4809, 0.2489,
0.2878

■ 221.4595, 0.2947,
0.3181

■ 1.9460, 0.2301,
0.2744

■ 268.3695, 0.2958,

■ 0.5758, 0.1757,

0.3187

0.2448

321.4761, 0.2968,
0.3194

0.0000, 0.0000,
0.0000

48.5995, 0.2831,
0.3107

48.5995, 0.2831,
0.3107

43.5604, 0.2677,
0.2998

54.1442, 0.2986,
0.3207

39.0024, 0.2527,
0.2880

60.2059, 0.3139,
0.3297

34.9073, 0.2385,
0.2753

66.8032, 0.3288,
0.3377

31.2537, 0.2254,
0.2621

73.9517, 0.3432,
0.3449

28.0176, 0.2140,
0.2484

79.6254, 0.3492,
0.3518

■ 25.1720, 0.2043,
0.2346

■ 83.6508, 0.3478,
0.3589

■ 22.6858, 0.1968,
0.2209

■ 87.8459, 0.3464,
0.3659

■ 20.5072, 0.1911,
0.2075

■ 92.2126, 0.3450,
0.3728

■ 20.3444, 0.1907,
0.2064

■ 96.7529, 0.3437,
0.3796

Harmonies

Analogous

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



48.5995, 0.2848, 0.3230



48.5995, 0.2831, 0.3107



48.5995, 0.2891, 0.3037

Triad

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



48.5995, 0.2831, 0.3107



48.5995, 0.3317, 0.3205



48.5995, 0.3236, 0.3561

Complementary

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



48.5995, 0.2831, 0.3107



47.1980, 0.3469, 0.3466

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.



48.5995, 0.3366, 0.3547



48.5995, 0.2831, 0.3107



48.5995, 0.3414, 0.3339

Square

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



48.5995, 0.2831, 0.3107



48.5995, 0.3169, 0.3095



48.5995, 0.3432, 0.3464



48.5995, 0.3080, 0.3498

Rectangle

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



48.5995, 0.2831, 0.3107



48.5995, 0.2967, 0.3027



48.5995, 0.3432, 0.3464



48.5995, 0.3285, 0.3565

Sweetspot

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



48.6015, 0.2831, 0.3107



93.7648, 0.3034, 0.3236



53.7957, 0.3009, 0.3625



19.9285, 0.3024, 0.3230



0.0000, 0.0000, 0.0000



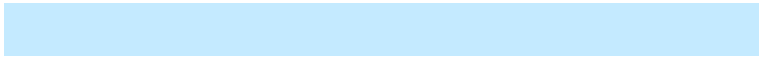
21.4041, 0.3127, 0.3290

Same Dimension

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



48.6015, 0.2831, 0.3107



77.8400, 0.2768, 0.3063



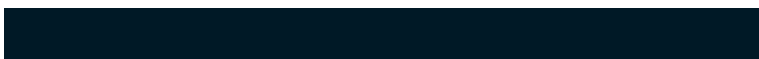
40.8882, 0.2816, 0.2848



12.0245, 0.2983, 0.3205



13.1266, 0.1912, 0.2083



0.8175, 0.1985, 0.2345

Inverse Universe

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



42.9134, 0.3271, 0.2981



66.8376, 0.3308, 0.2913



55.3686, 0.3426, 0.3697



11.3328, 0.3192, 0.3142



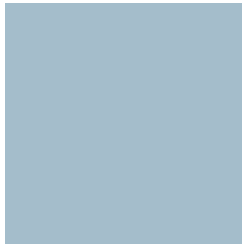
9.1281, 0.4360, 0.2176



0.4851, 0.4079, 0.2021

Previews

White Background



This preview shows how the Yxy color 48.5995, 0.2831, 0.3107 looks on a white background.

Color Contrast Check

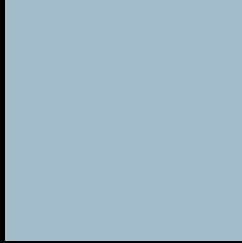
Large Text (above 18pt) WCAG AA × Fail

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 48.5995, 0.2831, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

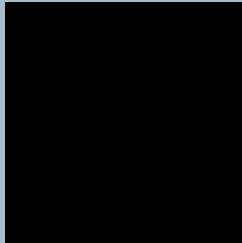
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

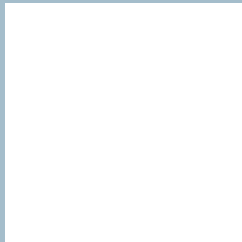
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5995, 0.2831, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 48.5995, 0.2831, 0.3107.

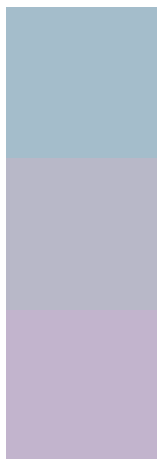


This preview shows how white text looks on a background with the Yxy color 48.5995, 0.2831, 0.3107.

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

48.5995, 0.2831, 0.3107

Protanopia

48.6415, 0.3005, 0.3088

Deuteranopia

48.5196, 0.3049, 0.2984



Tritanopia

48.6473, 0.2824, 0.3094

Trichromacy



Original Color

48.5995, 0.2831, 0.3107

Protanomaly

48.6820, 0.2942, 0.3098

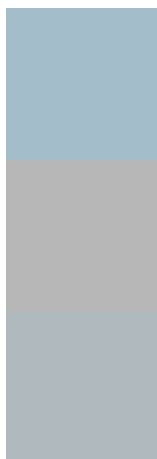
Deuteranomaly

48.2939, 0.2967, 0.3026

Tritanomaly

48.6473, 0.2824, 0.3094

Monochromacy



Original Color

48.5995, 0.2831, 0.3107

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.6457, 0.3015, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5995, 0.2831, 0.3107 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(164, 189, 203)` looks like.

```
.text, #text, p{  
    color:rgb(164, 189, 203)  
}
```

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(164, 189, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 189, 203) }
```

Border

The CSS property to change the border of an element to Yxy 48.5995, 0.2831, 0.3107 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(164, 189, 203) }
```

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

```
.border{ border-color:rgb(164, 189, 203) }
```

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

Here you see how a box with a 4 pixel rgb(164, 189, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 189, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 189, 203);  
box-shadow:4px 4px 4px 4px rgb(164, 189,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5995, 0.2831, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 189, 203) }
```

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

```
.background{ background-color: rgb(164,  
189, 203) }
```

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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