

Converting Colors

$Y_{xy}(50.1907, 0.2834, 0.3172)$

Have a look what the booklet for
Yxy(50.1907, 0.2834, 0.3172)
contains.

Yxy(50.1907, 0.2834, 0.3172)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.1907, 0.2834, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	A3C1CA
RGB	163, 193, 202
RGB Percent	64%, 76%, 79%
CMY	0.3606, 0.2432, 0.2079
CMYK	0.19, 0.04, 0.00, 0.21
HSL	194°, 27%, 72%
HSV	194°, 19%, 79%
XYZ	44.8425, 50.1907, 63.1972
YIQ	185.0560, -20.7690, -3.5610

Conversions

Conversions Part 2

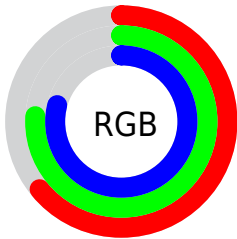
Format	Color
RYB	163, 180, 202
Decimal	10731978
CIELab	76.19, -8.11, -7.89
CIElCh	76, 11.315, 224.204
Yxy	50.1907, 0.2834, 0.3172
Android (android.graphics.Color)	4288922058 (0xFFA3C1CA)
YUV	185.0560, 8.3534, -19.3431
Hunter-Lab	70.8454, -10.9956, -3.2975

Details

The Yxy color **50.1907, 0.2834, 0.3172** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.7298, 0.3482, 0.3405**, and the grayscale version is **48.5158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8768, 0.2904, 0.3228**, and **23.9829, 0.2757, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **46.1948, 0.2688, 0.3103**, and if you desaturate by 10%, it is **54.5965, 0.2985, 0.3236**.

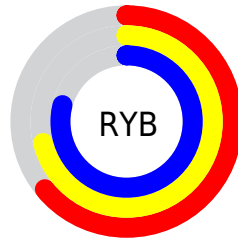
Distribution



Red (64%)

Green (76%)

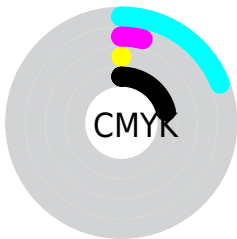
Blue (79%)



Red (64%)

Yellow (71%)

Blue (79%)

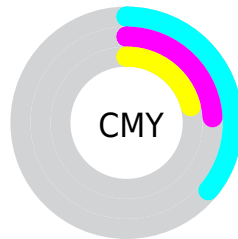


Cyan (19%)

Magenta (4%)

Yellow (0%)

Black (21%)



Cyan (36%)

Magenta (24%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1907, 0.2834, 0.3172 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 50.1907, 0.2834, 0.3172 by changing the saturation by 10% instead.

■ 50.1907, 0.2834,
0.3172

■ 50.1907, 0.2834,
0.3172

■ 387.4112, 0.2978,
0.3232

■ 35.5649, 0.2799,
0.3157

■ 90.4574, 0.2885,
0.3194

■ 24.0984, 0.2755,
0.3137

■ 116.8671, 0.2905,
0.3202

■ 15.4066, 0.2697,
0.3111

■ 147.9735, 0.2922,
0.3209

■ 9.1053, 0.2617,
0.3075

■ 184.1612, 0.2936,
0.3215

■ 4.8099, 0.2503,
0.3020

■ 225.8143, 0.2948,
0.3220

■ 2.1362, 0.2323,
0.2928

■ 273.3175, 0.2959,

■ 0.6848, 0.1830,

0.3224

0.2767

327.0550, 0.2969,
0.3228

0.0000, 0.0000,
0.0000

50.1907, 0.2834,
0.3172

50.1907, 0.2834,
0.3172

46.1948, 0.2688,
0.3103

54.5965, 0.2985,
0.3236

42.5859, 0.2549,
0.3028

59.4218, 0.3138,
0.3294

39.3481, 0.2421,
0.2949

64.6832, 0.3291,
0.3346

36.4616, 0.2308,
0.2867

70.3947, 0.3440,
0.3393

33.9047, 0.2212,
0.2782

74.8119, 0.3517,
0.3437

■ 31.6526, 0.2135,
0.2697

■ 77.2441, 0.3508,
0.3484

■ 29.6763, 0.2077,
0.2611

■ 79.7450, 0.3498,
0.3531

■ 27.9261, 0.2036,
0.2527

■ 82.3151, 0.3489,
0.3577

■ 27.8038, 0.2034,
0.2521

■ 84.9548, 0.3480,
0.3622

Harmonies

Analogous

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



50.1907, 0.2893, 0.3310



50.1907, 0.2834, 0.3172



50.1907, 0.2851, 0.3070

Triad

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



50.1907, 0.2834, 0.3172



50.1907, 0.3237, 0.3141



50.1907, 0.3313, 0.3560

Complementary

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



50.1907, 0.2834, 0.3172



44.7298, 0.3482, 0.3405

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.



50.1907, 0.3410, 0.3505



50.1907, 0.2834, 0.3172



50.1907, 0.3366, 0.3264

Square

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



50.1907, 0.2834, 0.3172



50.1907, 0.3081, 0.3056



50.1907, 0.3430, 0.3396



50.1907, 0.3168, 0.3539

Rectangle

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



50.1907, 0.2834, 0.3172



50.1907, 0.2904, 0.3036



50.1907, 0.3430, 0.3396



50.1907, 0.3352, 0.3549

Sweetspot

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



50.1928, 0.2834, 0.3172



94.9765, 0.3034, 0.3255



52.9901, 0.3044, 0.3697



20.2153, 0.3024, 0.3251



0.0000, 0.0000, 0.0000



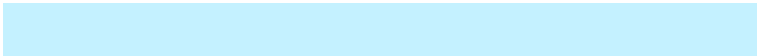
21.4041, 0.3127, 0.3290

Same Dimension

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



50.1928, 0.2834, 0.3172



82.1739, 0.2774, 0.3145



42.3630, 0.2819, 0.2918



12.2701, 0.2983, 0.3235



18.0332, 0.2037, 0.2532



1.0403, 0.2083, 0.2697

Inverse Universe

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



42.6202, 0.3227, 0.2921



67.2751, 0.3252, 0.2841



52.4473, 0.3439, 0.3636



11.3576, 0.3172, 0.3114



9.6235, 0.3890, 0.1917



0.5076, 0.3731, 0.1829

Previews

White Background



This preview shows how the Yxy color 50.1907, 0.2834, 0.3172 looks on a white background.

Color Contrast Check

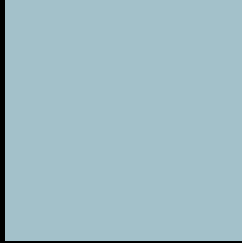
Large Text (above 18pt) WCAG AA × Fail

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 50.1907, 0.2834, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

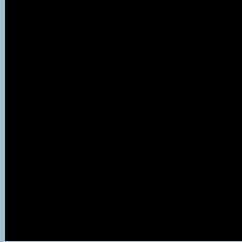
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

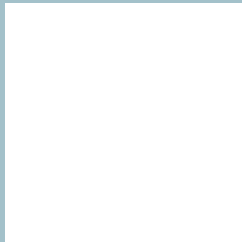
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1907, 0.2834, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 50.1907, 0.2834, 0.3172.



This preview shows how white text looks on a background with the Yxy color 50.1907, 0.2834, 0.3172.

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

50.1907, 0.2834, 0.3172

Protanopia

49.8864, 0.3052, 0.3140

Deuteranopia

49.8213, 0.3090, 0.3023



Tritanopia

50.0968, 0.2807, 0.3096

Trichromacy



Original Color

50.1907, 0.2834, 0.3172

Protanomaly

50.1024, 0.2973, 0.3163

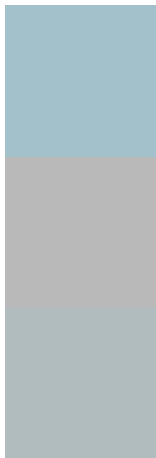
Deuteranomaly

49.7439, 0.2991, 0.3077

Tritanomaly

49.9996, 0.2820, 0.3121

Monochromacy



Original Color

50.1907, 0.2834, 0.3172

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.0751, 0.3015, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1907, 0.2834, 0.3172 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, 193, 202)` looks like.

```
.text, #text, p{  
    color:rgb(163, 193, 202)  
}
```

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, 193, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 193, 202) }
```

Border

The CSS property to change the border of an element to Yxy 50.1907, 0.2834, 0.3172 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, 193, 202) }
```

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

```
.border{ border-color:rgb(163, 193, 202) }
```

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

Here you see how a box with a 4 pixel rgb(163, 193, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 193, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 193, 202);  
box-shadow:4px 4px 4px 4px rgb(163, 193,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1907, 0.2834, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 193, 202) }
```

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

```
.background{ background-color: rgb(163,  
193, 202) }
```

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