

Converting Colors

$Y_{xy}(49.6028, 0.2926, 0.3324)$

Have a look what the booklet for
Yxy(49.6028, 0.2926, 0.3324)
contains.

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Color

Yxy(49.7501, 0.2923, 0.3329)

Conversions

Conversions Part 1

Format	Color
Hex	A4C1BE
RGB	164, 193, 190
RGB Percent	64%, 76%, 75%
CMY	0.3566, 0.2432, 0.2549
CMYK	0.15, 0.00, 0.02, 0.24
HSL	174°, 19%, 70%
HSV	174°, 15%, 76%
XYZ	43.6827, 49.7501, 56.0118
YIQ	183.9870, -16.3210, -7.0810

Conversions

Conversions Part 2

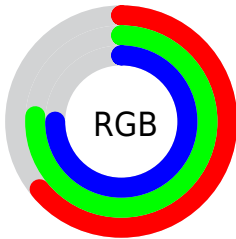
Format	Color
RYB	164, 179, 193
Decimal	10797502
CIELab	75.92, -10.33, -1.78
CIElCh	76, 10.482, 189.759
Yxy	49.7501, 0.2923, 0.3329
Android (android.graphics.Color)	4288987582 (0xFFA4C1BE)
YUV	183.9870, 2.9644, -17.5286
Hunter-Lab	70.5338, -12.8862, 2.2906

Details

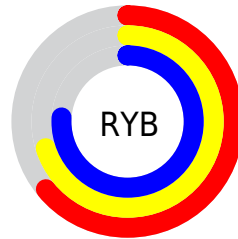
The Yxy color **49.7501, 0.2923, 0.3329** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7013, 0.3376, 0.3252**, and the grayscale version is **47.9217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4653, 0.2959, 0.3320**, and **23.7161, 0.2865, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **47.7645, 0.2797, 0.3358**, and if you desaturate by 10%, it is **52.0527, 0.3058, 0.3302**.

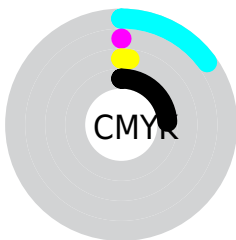
Distribution



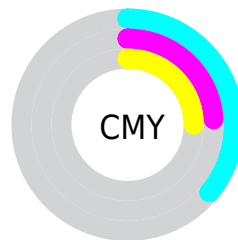
- Red (64%)
- Green (76%)
- Blue (75%)



- Red (64%)
- Yellow (70%)
- Blue (76%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)





- Cyan (36%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7501, 0.2923, 0.3329 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 49.7501, 0.2923, 0.3329 by changing the saturation by 10% instead.


 49.7501, 0.2923,
0.3329


 49.7501, 0.2923,
0.3329


385.6879, 0.3024,
0.3310

 35.2149, 0.2898,
0.3333


 89.8045, 0.2959,
0.3322

 23.8284, 0.2867,
0.3339


 116.0925, 0.2973,
0.3320

 15.2064, 0.2825,
0.3346

147.0668, 0.2985,
0.3318

 8.9644, 0.2768,
0.3356

183.1119, 0.2995,
0.3316

 4.7180, 0.2684,
0.3370

224.6122, 0.3003,
0.3314

 2.0827, 0.2549,
0.3390

271.9520, 0.3011,

 0.6549, 0.1988,

0.3313

0.3516

325.5158, 0.3018,
0.3311

0.0000, 0.0000,
0.0000

49.7501, 0.2923,
0.3329

49.7501, 0.2923,
0.3329

47.7645, 0.2797,
0.3358

52.0527, 0.3058,
0.3302

46.0757, 0.2681,
0.3389

54.6791, 0.3198,
0.3278

44.6706, 0.2580,
0.3422


57.6438, 0.3341,
0.3256

43.5328, 0.2495,
0.3456


60.9585, 0.3485,
0.3237

42.6444, 0.2428,
0.3491


63.5651, 0.3582,
0.3219


 41.9851, 0.2380,
0.3527


 63.6592, 0.3565,
0.3198

 41.5312, 0.2351,
0.3562

 63.7544, 0.3549,
0.3178

 41.2543, 0.2339,
0.3597

 63.8510, 0.3533,
0.3157

 41.1530, 0.2338,
0.3615

 63.9487, 0.3517,
0.3137

Harmonies

Analogous

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



49.7501, 0.3042, 0.3452



49.7501, 0.2923, 0.3329



49.7501, 0.2858, 0.3198

Triad

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



49.7501, 0.2923, 0.3329



49.7501, 0.3063, 0.3065



49.7501, 0.3397, 0.3478

Complementary

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



49.7501, 0.2923, 0.3329



40.7013, 0.3376, 0.3252

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.



49.7501, 0.3404, 0.3371



49.7501, 0.2923, 0.3329



49.7501, 0.3209, 0.3136

Square

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



49.7501, 0.2923, 0.3329



49.7501, 0.2938, 0.3049



49.7501, 0.3334, 0.3247



49.7501, 0.3317, 0.3537

Rectangle

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



49.7501, 0.2923, 0.3329



49.7501, 0.2854, 0.3126



49.7501, 0.3334, 0.3247



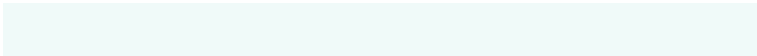
49.7501, 0.3408, 0.3446

Sweetspot

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



49.7522, 0.2923, 0.3329



93.6487, 0.3071, 0.3300



49.0813, 0.3136, 0.3682



20.0184, 0.3060, 0.3302



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



49.7522, 0.2923, 0.3329



87.8839, 0.2880, 0.3338



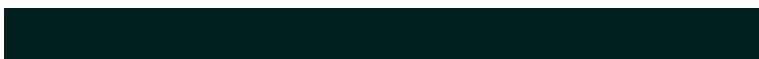
45.1642, 0.2897, 0.3141



11.4099, 0.2998, 0.3314



27.3817, 0.2336, 0.3610



1.1884, 0.2314, 0.3532

Inverse Universe

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



40.7013, 0.3376, 0.3252



68.5610, 0.3442, 0.3243



44.7375, 0.3382, 0.3435



10.0945, 0.3273, 0.3266



7.5801, 0.6264, 0.3224



0.3333, 0.5849, 0.2996

Previews

White Background



This preview shows how the Yxy color 49.7501, 0.2923, 0.3329 looks on a white background.

Color Contrast Check

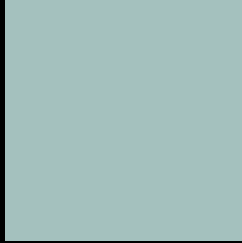
Large Text (above 18pt) WCAG AA × Fail

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 49.7501, 0.2923, 0.3329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

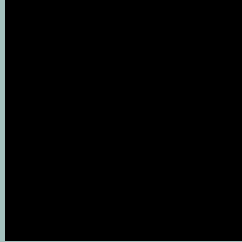
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

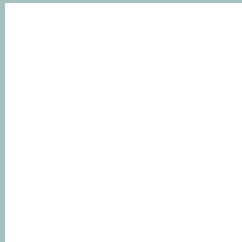
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7501, 0.2923, 0.3329

Background



This preview shows how black text looks on a background with the Yxy color 49.7501, 0.2923, 0.3329.

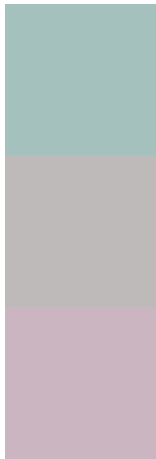


This preview shows how white text looks on a background with the Yxy color 49.7501, 0.2923, 0.3329.

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

49.7501, 0.2923, 0.3329

Protanopia

49.6101, 0.3161, 0.3290

Deuteranopia

49.4101, 0.3219, 0.3156



Tritanopia

49.9333, 0.2834, 0.3096

Trichromacy



Original Color

49.7501, 0.2923, 0.3329

Protanomaly

49.8068, 0.3077, 0.3316

Deuteranomaly

49.1509, 0.3106, 0.3214

Tritanomaly

49.9764, 0.2868, 0.3185

Monochromacy



Original Color

49.7501, 0.2923, 0.3329

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.4329, 0.3053, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7501, 0.2923, 0.3329 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, 193, 190)` looks like.

```
.text, #text, p{  
    color:rgb(164, 193, 190)  
}
```

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, 193, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 193, 190) }
```

Border

The CSS property to change the border of an element to Yxy 49.7501, 0.2923, 0.3329 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, 193, 190) }
```

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

```
.border{ border-color:rgb(164, 193, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 193, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 193, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 193, 190);  
box-shadow:4px 4px 4px 4px rgb(164, 193,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7501, 0.2923, 0.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 193, 190) }
```

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

```
.background{ background-color: rgb(164,  
193, 190) }
```

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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