

Converting Colors

$Y_{xy}(49.5765, 0.2945, 0.3370)$

Have a look what the booklet for
Yxy(49.5765, 0.2945, 0.3370)
contains.

Yxy(49.6203, 0.2943, 0.3369)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.6203, 0.2943, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	A4C1BB
RGB	164, 193, 187
RGB Percent	64%, 76%, 73%
CMY	0.3570, 0.2431, 0.2666
CMYK	0.15, 0.00, 0.03, 0.24
HSL	168°, 19%, 70%
HSV	168°, 15%, 76%
XYZ	43.3460, 49.6203, 54.3187
YIQ	183.6450, -15.3580, -8.0140

Conversions

Conversions Part 2

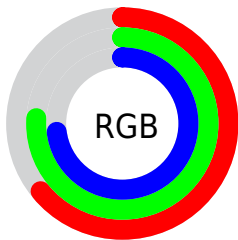
Format	Color
RYB	164, 180, 193
Decimal	10797499
CIELab	75.84, -10.98, -0.28
CIELCh	76, 10.983, 181.479
Yxy	49.6203, 0.2943, 0.3369
Android (android.graphics.Color)	4288987579 (0xFFA4C1BB)
YUV	183.6450, 1.6540, -17.2287
Hunter-Lab	70.4417, -13.4338, 3.5897

Details

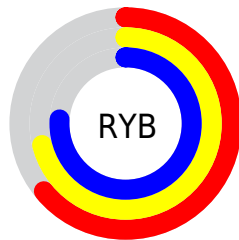
The Yxy color **49.6203, 0.2943, 0.3369** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7785, 0.3349, 0.3213**, and the grayscale version is **47.7224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2825, 0.2975, 0.3351**, and **23.6312, 0.2892, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **47.5547, 0.2829, 0.3428**, and if you desaturate by 10%, it is **52.0064, 0.3064, 0.3315**.

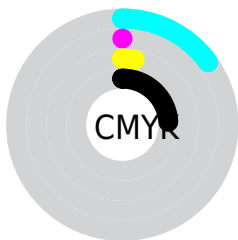
Distribution



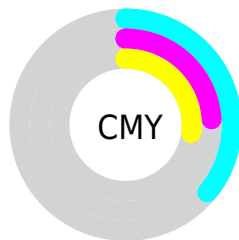
- Red (64%)
- Green (76%)
- Blue (73%)



- Red (64%)
- Yellow (71%)
- Blue (76%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6203, 0.2943, 0.3369 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 49.6203, 0.2943, 0.3369 by changing the saturation by 10% instead.

 49.6203, 0.2943,
0.3369


 49.6203, 0.2943,
0.3369

385.1792, 0.3034,
0.3330

 35.1118, 0.2921,
0.3379


 89.6120, 0.2976,
0.3355

 23.7490, 0.2892,
0.3391


 115.8641, 0.2988,
0.3350

 15.1475, 0.2854,
0.3407


146.7994, 0.2999,
0.3345

 8.9230, 0.2802,
0.3429

182.8024, 0.3008,
0.3341

 4.6910, 0.2725,
0.3461

224.2575, 0.3016,
0.3338

 2.0671, 0.2601,
0.3514

271.5491, 0.3023,

 0.6460, 0.2017,

0.3335

0.3766

325.0615, 0.3029,
0.3332

0.0000, 0.0000,
0.0000

49.6203, 0.2943,
0.3369

49.6203, 0.2943,
0.3369

47.5547, 0.2829,
0.3428

52.0064, 0.3064,
0.3315

45.7893, 0.2724,
0.3491

54.7199, 0.3190,
0.3267

44.3111, 0.2632,
0.3559

57.7753, 0.3317,
0.3223

43.1037, 0.2555,
0.3630

61.1844, 0.3444,
0.3184

42.1489, 0.2496,
0.3703

63.9056, 0.3525,
0.3148

■ 41.4264, 0.2455,
0.3778

■ 64.1026, 0.3493,
0.3107

■ 40.9127, 0.2434,
0.3853

■ 64.3045, 0.3461,
0.3067

■ 40.5791, 0.2432,
0.3928

■ 64.5115, 0.3429,
0.3027

■ 40.4516, 0.2435,
0.3965

■ 64.7234, 0.3398,
0.2988

Harmonies

Analogous

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



49.6203, 0.3079, 0.3488



49.6203, 0.2943, 0.3369



49.6203, 0.2857, 0.3230

Triad

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



49.6203, 0.2943, 0.3369



49.6203, 0.3020, 0.3043



49.6203, 0.3421, 0.3460

Complementary

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



49.6203, 0.2943, 0.3369



40.7785, 0.3349, 0.3213

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.



49.6203, 0.3405, 0.3340



49.6203, 0.2943, 0.3369



49.6203, 0.3171, 0.3103

Square

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



49.6203, 0.2943, 0.3369



49.6203, 0.2901, 0.3045



49.6203, 0.3313, 0.3211



49.6203, 0.3356, 0.3538

Rectangle

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



49.6203, 0.2943, 0.3369



49.6203, 0.2838, 0.3147



49.6203, 0.3313, 0.3211



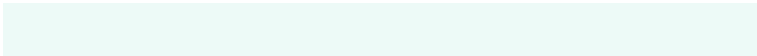
49.6203, 0.3425, 0.3423

Sweetspot

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



49.6224, 0.2943, 0.3369



93.1188, 0.3064, 0.3315



49.3987, 0.3160, 0.3681



19.9081, 0.3055, 0.3319



97.7402, 0.3127, 0.3290



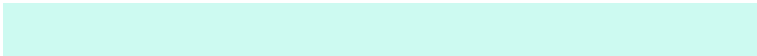
20.4902, 0.3127, 0.3290

Same Dimension

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



49.6224, 0.2943, 0.3369



87.6051, 0.2905, 0.3388



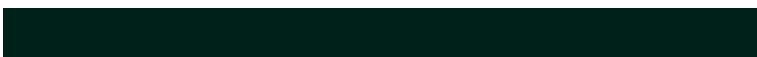
46.3463, 0.2897, 0.3180



11.3917, 0.3011, 0.3338



26.9137, 0.2432, 0.3955



1.1721, 0.2386, 0.3789

Inverse Universe

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



40.7785, 0.3349, 0.3213



68.7938, 0.3407, 0.3195



43.5977, 0.3389, 0.3398



10.1111, 0.3257, 0.3243



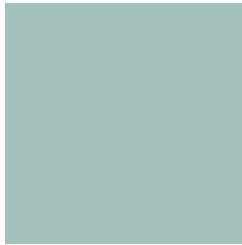
7.6512, 0.6035, 0.3098



0.3408, 0.5412, 0.2755

Previews

White Background



This preview shows how the Yxy color 49.6203, 0.2943, 0.3369 looks on a white background.

Color Contrast Check

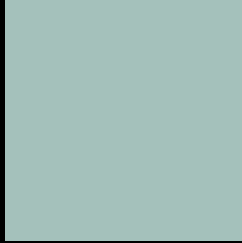
Large Text (above 18pt) WCAG AA × Fail

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 49.6203, 0.2943, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

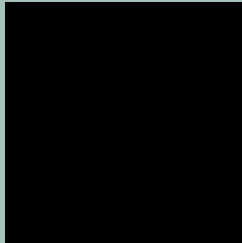
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

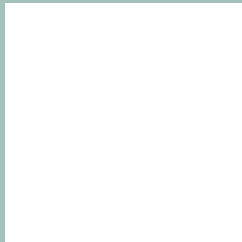
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6203, 0.2943, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 49.6203, 0.2943, 0.3369.



This preview shows how white text looks on a background with the Yxy color 49.6203, 0.2943, 0.3369.

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

49.6203, 0.2943, 0.3369

Protanopia

49.6131, 0.3193, 0.3328

Deuteranopia

49.4620, 0.3244, 0.3181



Tritanopia

49.4502, 0.2840, 0.3096

Trichromacy



Original Color

49.6203, 0.2943, 0.3369

Protanomaly

49.6796, 0.3100, 0.3354

Deuteranomaly

49.1909, 0.3130, 0.3240

Tritanomaly

49.4458, 0.2881, 0.3198

Monochromacy



Original Color

49.6203, 0.2943, 0.3369

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.3905, 0.3060, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6203, 0.2943, 0.3369 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(164, 193, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 193, 187) }
```

Border

The CSS property to change the border of an element to Yxy 49.6203, 0.2943, 0.3369 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, 187) }
```

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

```
.border{ border-color:rgb(164, 193, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 193, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 193, 187);  
box-shadow:4px 4px 4px 4px rgb(164, 193,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6203, 0.2943, 0.3369 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, 187) }
```

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

```
.background{ background-color: rgb(164,  
193, 187) }
```

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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