

Converting Colors

$Yxy(51.4689, 0.2948, 0.3568)$

Have a look what the booklet for
Yxy(51.4689, 0.2948, 0.3568)
contains.

Yxy(51.2696, 0.2948, 0.3559)	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(51.2696, 0.2948, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	9DC7B3
RGB	157, 199, 179
RGB Percent	62%, 78%, 70%
CMY	0.3843, 0.2196, 0.2979
CMYK	0.21, 0.00, 0.10, 0.22
HSL	151°, 27%, 70%
HSV	151°, 21%, 78%
XYZ	42.4678, 51.2696, 50.3188
YIQ	184.1620, -18.6120, -15.1240

Conversions

Conversions Part 2

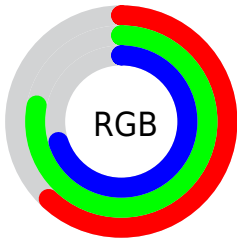
Format	Color
RYB	157, 185, 199
Decimal	10340275
CIELab	76.84, -17.93, 5.44
CIELCh	77, 18.743, 163.112
Yxy	51.2696, 0.2948, 0.3559
Android (android.graphics.Color)	4288530355 (0xFF9DC7B3)
YUV	184.1620, -2.5449, -23.8211
Hunter-Lab	71.6028, -19.4362, 8.4559

Details

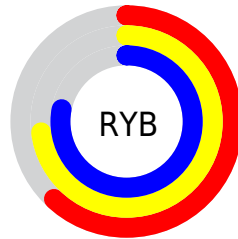
The Yxy color **51.2696, 0.2948, 0.3559** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.4327, 0.3353, 0.3036**, and the grayscale version is **48.0516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5152, 0.2978, 0.3499**, and **24.7604, 0.2901, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **49.0603, 0.2870, 0.3708**, and if you desaturate by 10%, it is **53.8355, 0.3031, 0.3424**.

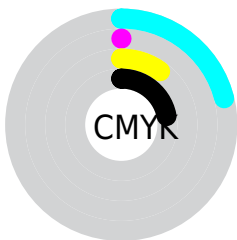
Distribution



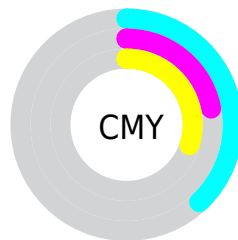
- Red (62%)
- Green (78%)
- Blue (70%)



- Red (62%)
- Yellow (73%)
- Blue (78%)



- Cyan (21%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (38%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2696, 0.2948, 0.3559 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 51.2696, 0.2948, 0.3559 by changing the saturation by 10% instead.


 51.2696, 0.2948,
0.3559


 51.2696, 0.2948,
0.3559


391.6103, 0.3037,
0.3424

 36.4232, 0.2926,
0.3593


 92.0532, 0.2980,
0.3510

 24.7612, 0.2897,
0.3636

 118.7591, 0.2993,
0.3491

 15.8993, 0.2859,
0.3695


150.1871, 0.3003,
0.3476

 9.4529, 0.2806,
0.3776

186.7214, 0.3012,
0.3463

 5.0377, 0.2727,
0.3899

228.7465, 0.3019,
0.3451

 2.2694, 0.2598,
0.4103

276.6467, 0.3026,

 0.7575, 0.1902,

0.3441

0.5105

330.8066, 0.3032,
0.3432

0.0000, 0.0000,
0.0000

51.2696, 0.2948,
0.3559

51.2696, 0.2948,
0.3559

49.0603, 0.2870,
0.3708

53.8355, 0.3031,
0.3424

47.1848, 0.2800,
0.3870

56.7668, 0.3118,
0.3303

45.6277, 0.2741,
0.4043

60.0799, 0.3204,
0.3195

44.3698, 0.2698,
0.4224

63.7883, 0.3290,
0.3099

43.3896, 0.2672,
0.4410

67.6175, 0.3363,
0.3014

■ 42.6626, 0.2665,
0.4596

■ 68.1527, 0.3292,
0.2922

■ 42.1598, 0.2678,
0.4778

■ 68.7171, 0.3222,
0.2832

■ 41.8535, 0.2704,
0.4933

■ 69.3111, 0.3155,
0.2744

■ 69.3270, 0.3153,
0.2742

Harmonies

Analogous

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



51.2696, 0.3199, 0.3711



51.2696, 0.2948, 0.3559



51.2696, 0.2750, 0.3329

Triad

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



51.2696, 0.2948, 0.3559



51.2696, 0.2814, 0.2868



51.2696, 0.3626, 0.3449

Complementary

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



51.2696, 0.2948, 0.3559



39.4327, 0.3353, 0.3036

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.



51.2696, 0.3515, 0.3235



51.2696, 0.2948, 0.3559



51.2696, 0.3039, 0.2909

Square

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



51.2696, 0.2948, 0.3559



51.2696, 0.2675, 0.2933



51.2696, 0.3297, 0.3042



51.2696, 0.3596, 0.3634

Rectangle

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



51.2696, 0.2948, 0.3559



51.2696, 0.2672, 0.3170



51.2696, 0.3297, 0.3042



51.2696, 0.3604, 0.3379

Sweetspot

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



51.2717, 0.2948, 0.3559



96.7529, 0.3074, 0.3361



52.6646, 0.3262, 0.3842



20.6366, 0.3069, 0.3369



0.0000, 0.0000, 0.0000



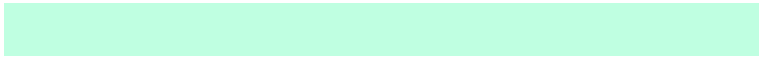
21.4041, 0.3127, 0.3290

Same Dimension

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



51.2717, 0.2948, 0.3559



88.0474, 0.2914, 0.3621



51.8182, 0.2815, 0.3280



11.9792, 0.3046, 0.3402



26.9305, 0.2697, 0.4909



1.2897, 0.2595, 0.4541

Inverse Universe

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



39.4327, 0.3353, 0.3036



63.8818, 0.3410, 0.2982



38.9312, 0.3545, 0.3300



10.7196, 0.3216, 0.3181



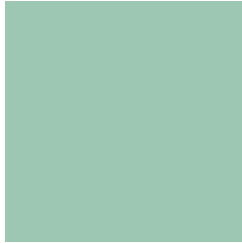
8.3524, 0.5042, 0.2551



0.4101, 0.4561, 0.2286

Previews

White Background



This preview shows how the Yxy color 51.2696, 0.2948, 0.3559 looks on a white background.

Color Contrast Check

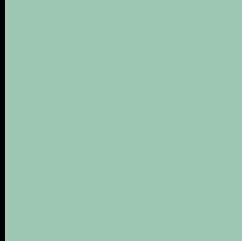
Large Text (above 18pt) WCAG AA × Fail

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 51.2696, 0.2948, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

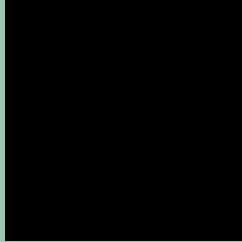
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

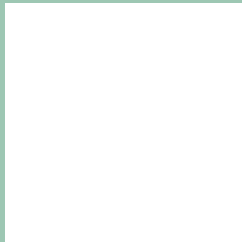
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.2696, 0.2948, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 51.2696, 0.2948, 0.3559.



This preview shows how white text looks on a background with the Yxy color 51.2696, 0.2948, 0.3559.

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

51.2696, 0.2948, 0.3559

Protanopia

50.7193, 0.3312, 0.3479

Deuteranopia

50.9460, 0.3368, 0.3303



Tritanopia

51.0232, 0.2782, 0.3084

Trichromacy



Original Color

51.2696, 0.2948, 0.3559

Protanomaly

50.7395, 0.3174, 0.3510

Deuteranomaly

50.8078, 0.3205, 0.3391

Tritanomaly

51.1804, 0.2841, 0.3250

Monochromacy



Original Color

51.2696, 0.2948, 0.3559

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.7713, 0.3058, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2696, 0.2948, 0.3559 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(157, 199, 179)` looks like.

```
.text, #text, p{  
    color:rgb(157, 199, 179)  
}
```

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(157, 199, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 199, 179) }
```

Border

The CSS property to change the border of an element to Yxy 51.2696, 0.2948, 0.3559 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(157, 199, 179) }
```

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

```
.border{ border-color:rgb(157, 199, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 199, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 199, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 199, 179);  
box-shadow:4px 4px 4px 4px rgb(157, 199,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2696, 0.2948, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 199, 179) }
```

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

```
.background{ background-color: rgb(157,  
199, 179) }
```

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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