

Converting Colors

$Yxy(51.6640, 0.2843, 0.3457)$

Have a look what the booklet for
Yxy(51.6640, 0.2843, 0.3457)
contains.

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Color

Yxy(51.4234, 0.2839, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	96C8BC
RGB	150, 200, 188
RGB Percent	59%, 78%, 74%
CMY	0.4119, 0.2156, 0.2627
CMYK	0.25, 0.00, 0.06, 0.22
HSL	166°, 31%, 69%
HSV	166°, 25%, 78%
XYZ	42.3040, 51.4234, 55.2828
YIQ	183.6820, -25.9480, -14.3320

Conversions

Conversions Part 2

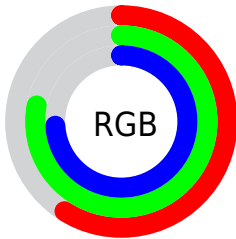
Format	Color
RYB	150, 178, 200
Decimal	9881788
CIELab	76.93, -18.83, 0.68
CIElCh	77, 18.839, 177.935
Yxy	51.4234, 0.2839, 0.3451
Android (android.graphics.Color)	4288071868 (0xFF96C8BC)
YUV	183.6820, 2.1288, -29.5391
Hunter-Lab	71.7101, -20.1901, 4.4892

Details

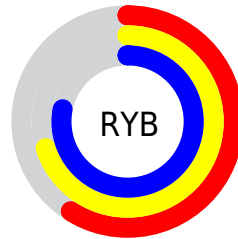
The Yxy color **51.4234, 0.2839, 0.3451** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6858, 0.3525, 0.3136**, and the grayscale version is **47.7437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0308, 0.2890, 0.3405**, and **24.9037, 0.2762, 0.3494** is the 20% darker color. If you saturate the color by 10%, you get **49.4846, 0.2738, 0.3526**, and if you desaturate by 10%, it is **53.6971, 0.2950, 0.3382**.

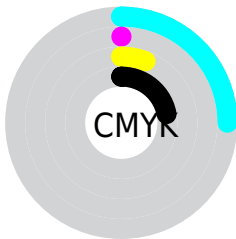
Distribution



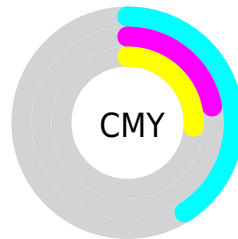
- Red (59%)
- Green (78%)
- Blue (74%)



- Red (59%)
- Yellow (70%)
- Blue (78%)



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)



- Cyan (41%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4234, 0.2839, 0.3451 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 51.4234, 0.2839, 0.3451 by changing the saturation by 10% instead.


 51.4234, 0.2839,
0.3451


 51.4234, 0.2839,
0.3451

392.2066, 0.2981,
0.3372

 36.5457, 0.2804,
0.3470


 92.2803, 0.2890,
0.3422

 24.8559, 0.2760,
0.3495

 119.0283, 0.2909,
0.3412

 15.9697, 0.2702,
0.3528


150.5019, 0.2926,
0.3403

 9.5027, 0.2623,
0.3573

187.0853, 0.2940,
0.3395

 5.0705, 0.2507,
0.3639

229.1631, 0.2952,
0.3388

 2.2887, 0.2323,
0.3745

277.1197, 0.2963,

 0.7677, 0.1479,

0.3382

0.4204

331.3394, 0.2972,
0.3376

0.0000, 0.0000,
0.0000

51.4234, 0.2839,
0.3451

51.4234, 0.2839,
0.3451

49.4846, 0.2738,
0.3526

53.6971, 0.2950,
0.3382

47.8579, 0.2649,
0.3605

56.3147, 0.3067,
0.3319

46.5274, 0.2575,
0.3689

59.2926, 0.3188,
0.3263

45.4733, 0.2518,
0.3776

62.6445, 0.3310,
0.3212

44.6734, 0.2480,
0.3864

66.3832, 0.3432,
0.3167

■ 44.1019, 0.2463,
0.3953

■ 67.5720, 0.3435,
0.3120

■ 43.7273, 0.2463,
0.4041

■ 67.8247, 0.3398,
0.3072

■ 43.5842, 0.2468,
0.4085

■ 68.0847, 0.3361,
0.3024

■ 68.3521, 0.3325,
0.2977

Harmonies

Analogous

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



51.4234, 0.3072, 0.3651



51.4234, 0.2839, 0.3451



51.4234, 0.2686, 0.3210

Triad

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



51.4234, 0.2839, 0.3451



51.4234, 0.2916, 0.2874



51.4234, 0.3632, 0.3548

Complementary

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



51.4234, 0.2839, 0.3451



36.6858, 0.3525, 0.3136

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.



51.4234, 0.3589, 0.3342



51.4234, 0.2839, 0.3451



51.4234, 0.3167, 0.2963

Square

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



51.4234, 0.2839, 0.3451



51.4234, 0.2729, 0.2886



51.4234, 0.3416, 0.3131



51.4234, 0.3533, 0.3699

Rectangle

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



51.4234, 0.2839, 0.3451



51.4234, 0.2646, 0.3065



51.4234, 0.3416, 0.3131



51.4234, 0.3633, 0.3483

Sweetspot

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



51.4255, 0.2839, 0.3451



96.0233, 0.3030, 0.3338



51.2453, 0.3191, 0.3974



20.4027, 0.3012, 0.3348



0.0000, 0.0000, 0.0000



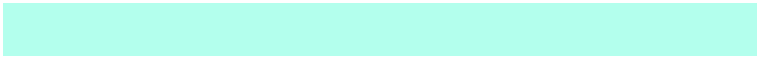
21.4041, 0.3127, 0.3290

Same Dimension

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



51.4255, 0.2839, 0.3451



87.1395, 0.2783, 0.3491



46.4025, 0.2748, 0.3120



12.0224, 0.3015, 0.3346



27.7232, 0.2465, 0.4073



1.3235, 0.2414, 0.3889

Inverse Universe

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



36.6858, 0.3525, 0.3136



57.3235, 0.3641, 0.3101



40.4876, 0.3610, 0.3454



10.6779, 0.3253, 0.3235



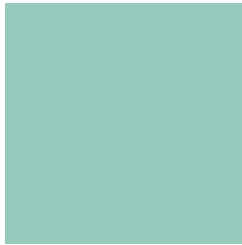
7.9548, 0.5941, 0.3046



0.3884, 0.5332, 0.2711

Previews

White Background



This preview shows how the Yxy color 51.4234, 0.2839, 0.3451 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 51.4234, 0.2839, 0.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

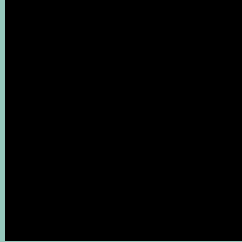
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

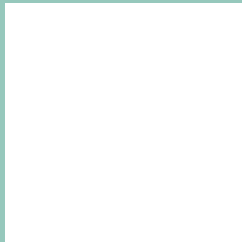
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4234, 0.2839, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 51.4234, 0.2839, 0.3451.



This preview shows how white text looks on a background with the Yxy color 51.4234, 0.2839, 0.3451.

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

51.4234, 0.2839, 0.3451

Protanopia

51.2419, 0.3223, 0.3378

Deuteranopia

50.8940, 0.3268, 0.3194



Tritanopia

51.2019, 0.2717, 0.3082

Trichromacy



Original Color

51.4234, 0.2839, 0.3451

Protanomaly

51.0656, 0.3074, 0.3406

Deuteranomaly

50.5520, 0.3095, 0.3277

Tritanomaly

51.0166, 0.2761, 0.3210

Monochromacy



Original Color

51.4234, 0.2839, 0.3451

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.1003, 0.3019, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4234, 0.2839, 0.3451 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(150, 200, 188)` looks like.

```
.text, #text, p{  
    color:rgb(150, 200, 188)  
}
```

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(150, 200, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 200, 188) }
```

Border

The CSS property to change the border of an element to Yxy 51.4234, 0.2839, 0.3451 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(150, 200, 188) }
```

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

```
.border{ border-color:rgb(150, 200, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 200, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 200, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 200, 188); box-shadow:4px 4px 4px 4px rgb(150, 200, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4234, 0.2839, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 200, 188) }
```

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

```
.background{ background-color: rgb(150,  
200, 188) }
```

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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