

Converting Colors

$Yxy(50.8243, 0.2941, 0.3632)$

Have a look what the booklet for
Yxy(50.8243, 0.2941, 0.3632)
contains.

Yxy(51.0791, 0.2939, 0.3631)	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(51.0791, 0.2939, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	98C8AF
RGB	152, 200, 175
RGB Percent	60%, 78%, 69%
CMY	0.4039, 0.2157, 0.3136
CMYK	0.24, 0.00, 0.12, 0.22
HSL	149°, 30%, 69%
HSV	149°, 24%, 78%
XYZ	41.3444, 51.0791, 48.2515
YIQ	182.7980, -20.5830, -17.9510

Conversions

Conversions Part 2

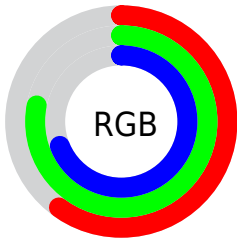
Format	Color
RYB	152, 184, 200
Decimal	10012847
CIELab	76.73, -20.84, 7.39
CIELCh	77, 22.112, 160.465
Yxy	51.0791, 0.2939, 0.3631
Android (android.graphics.Color)	4288202927 (0xFF98C8AF)
YUV	182.7980, -3.8444, -27.0098
Hunter-Lab	71.4696, -21.8116, 10.0001

Details

The Yxy color **51.0791, 0.2939, 0.3631** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.9128, 0.3370, 0.2973**, and the grayscale version is **47.2703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5549, 0.2971, 0.3544**, and **24.6972, 0.2882, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **48.9178, 0.2868, 0.3799**, and if you desaturate by 10%, it is **53.6016, 0.3016, 0.3478**.

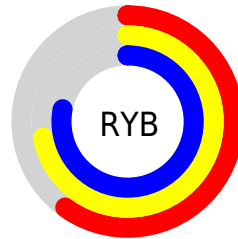
Distribution



Red (60%)

Green (78%)

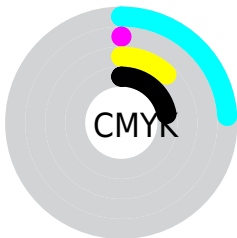
Blue (69%)



Red (60%)

Yellow (72%)

Blue (78%)

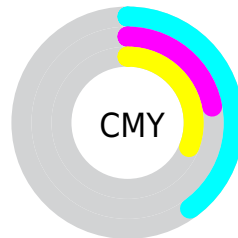


Cyan (24%)

Magenta (0%)

Yellow (12%)

Black (22%)



Cyan (40%)


Magenta (22%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0791, 0.2939, 0.3631 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 51.0791, 0.2939, 0.3631 by changing the saturation by 10% instead.


 51.0791, 0.2939,
0.3631

 51.0791, 0.2939,
0.3631


390.8710, 0.3034,
0.3459

 36.2716, 0.2915,
0.3674


 91.7717, 0.2974,
0.3568

 24.6440, 0.2885,
0.3731


 118.4255, 0.2986,
0.3545

 15.8120, 0.2844,
0.3806


149.7969, 0.2997,
0.3525

 9.3912, 0.2786,
0.3912

186.2703, 0.3007,
0.3508

 4.9972, 0.2700,
0.4072

228.2299, 0.3015,
0.3493

 2.2456, 0.2555,
0.4342

276.0604, 0.3022,

 0.7447, 0.1609,

0.3480

0.6017

330.1459, 0.3028,
0.3469

0.0000, 0.0000,
0.0000

51.0791, 0.2939,
0.3631

51.0791, 0.2939,
0.3631

48.9178, 0.2868,
0.3799

53.6016, 0.3016,
0.3478

47.0942, 0.2806,
0.3981

56.4947, 0.3095,
0.3341

45.5921, 0.2755,
0.4175

59.7755, 0.3175,
0.3218

44.3912, 0.2720,
0.4377

63.4580, 0.3255,
0.3110

43.4688, 0.2703,
0.4581

67.5555, 0.3333,
0.3015

■ 42.7988, 0.2705,
0.4782

■ 68.7105, 0.3278,
0.2916

■ 42.3497, 0.2727,
0.4975

■ 69.3383, 0.3203,
0.2818

■ 42.1518, 0.2746,
0.5085

■ 69.7885, 0.3152,
0.2752

Harmonies

Analogous

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



51.0791, 0.3236, 0.3800



51.0791, 0.2939, 0.3631



51.0791, 0.2700, 0.3360

Triad

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



51.0791, 0.2939, 0.3631



51.0791, 0.2739, 0.2797



51.0791, 0.3713, 0.3452

Complementary

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



51.0791, 0.2939, 0.3631



37.9128, 0.3370, 0.2973

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.



51.0791, 0.3568, 0.3202



51.0791, 0.2939, 0.3631



51.0791, 0.2996, 0.2836

Square

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



51.0791, 0.2939, 0.3631



51.0791, 0.2589, 0.2881



51.0791, 0.3301, 0.2982



51.0791, 0.3691, 0.3676

Rectangle

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



51.0791, 0.2939, 0.3631



51.0791, 0.2602, 0.3169



51.0791, 0.3301, 0.2982



51.0791, 0.3682, 0.3369

Sweetspot

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



51.0812, 0.2939, 0.3631



96.1865, 0.3070, 0.3382



52.9942, 0.3299, 0.3920



20.5209, 0.3065, 0.3390



0.0000, 0.0000, 0.0000



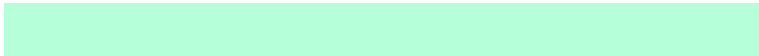
21.4041, 0.3127, 0.3290

Same Dimension

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



51.0812, 0.2939, 0.3631



86.3346, 0.2900, 0.3720



52.0807, 0.2787, 0.3310



11.9712, 0.3052, 0.3413



26.8195, 0.2739, 0.5059



1.2845, 0.2629, 0.4665

Inverse Universe

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



37.9128, 0.3370, 0.2973



59.4705, 0.3441, 0.2898



37.0593, 0.3605, 0.3271



10.7276, 0.3210, 0.3170



8.4623, 0.4854, 0.2448



0.4153, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 51.0791, 0.2939, 0.3631 looks on a white background.

Color Contrast Check

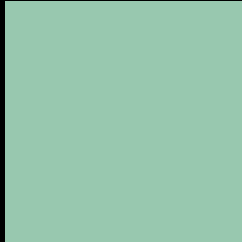
Large Text (above 18pt) WCAG AA × Fail

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 51.0791, 0.2939, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

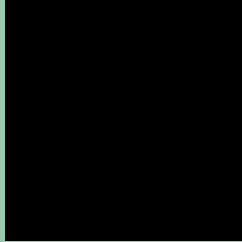
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.0791, 0.2939, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 51.0791, 0.2939, 0.3631.



This preview shows how white text looks on a background with the Yxy color 51.0791, 0.2939, 0.3631.

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

51.0791, 0.2939, 0.3631

Protanopia

50.7013, 0.3353, 0.3529

Deuteranopia

50.5595, 0.3404, 0.3327



Tritanopia

51.0543, 0.2755, 0.3095

Trichromacy



Original Color

51.0791, 0.2939, 0.3631

Protanomaly

50.4633, 0.3196, 0.3564

Deuteranomaly

50.5567, 0.3220, 0.3430

Tritanomaly

51.0316, 0.2820, 0.3289

Monochromacy



Original Color

51.0791, 0.2939, 0.3631

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.4611, 0.3056, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0791, 0.2939, 0.3631 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(152, 200, 175)` looks like.

```
.text, #text, p{  
    color:rgb(152, 200, 175)  
}
```

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(152, 200, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 200, 175) }
```

Border

The CSS property to change the border of an element to Yxy 51.0791, 0.2939, 0.3631 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(152, 200, 175) }
```

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

```
.border{ border-color:rgb(152, 200, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 200, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 200, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 200, 175); box-shadow:4px 4px 4px 4px rgb(152, 200, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0791, 0.2939, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 200, 175) }
```

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

```
.background{ background-color: rgb(152,  
200, 175) }
```

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