

Converting Colors

$Y_{xy}(49.1585, 0.2958, 0.3509)$

Have a look what the booklet for
Yxy(49.1585, 0.2958, 0.3509)
contains.

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Color

Yxy(49.0670, 0.2961, 0.3507)

Conversions

Conversions Part 1

Format	Color
Hex	9EC2B2
RGB	158, 194, 178
RGB Percent	62%, 76%, 70%
CMY	0.3804, 0.2392, 0.3019
CMYK	0.19, 0.00, 0.08, 0.24
HSL	153°, 23%, 69%
HSV	153°, 19%, 76%
XYZ	41.4278, 49.0670, 49.4168
YIQ	181.4120, -16.3200, -12.6080

Conversions

Conversions Part 2

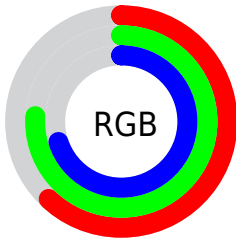
Format	Color
RYB	158, 181, 194
Decimal	10404530
CIELab	75.49, -15.27, 4.05
CIELCh	75, 15.793, 165.147
Yxy	49.0670, 0.2961, 0.3507
Android (android.graphics.Color)	4288594610 (0xFF9EC2B2)
YUV	181.4120, -1.6821, -20.5323
Hunter-Lab	70.0478, -17.0149, 7.2061

Details

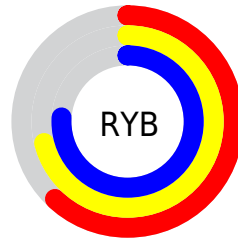
The Yxy color **49.0670, 0.2961, 0.3507** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.9748, 0.3331, 0.3083**, and the grayscale version is **46.4594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0810, 0.2990, 0.3468**, and **23.3010, 0.2917, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **46.9195, 0.2878, 0.3642**, and if you desaturate by 10%, it is **51.5509, 0.3049, 0.3385**.

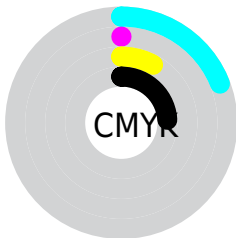
Distribution



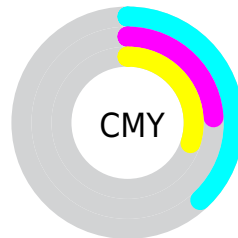
- Red (62%)
- Green (76%)
- Blue (70%)



- Red (62%)
- Yellow (71%)
- Blue (76%)



- Cyan (19%)
- Magenta (0%)
- Yellow (8%)
- Black (24%)




- Cyan (38%)
- Magenta (24%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0670, 0.2961, 0.3507 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 49.0670, 0.2961, 0.3507 by changing the saturation by 10% instead.


 49.0670, 0.2961,
0.3507


 49.0670, 0.2961,
0.3507


383.0060, 0.3044,
0.3398

 34.6726, 0.2940,
0.3535


 88.7910, 0.2991,
0.3467

 23.4108, 0.2913,
0.3570

 114.8893, 0.3003,
0.3452

 14.8971, 0.2878,
0.3618

145.6578, 0.3012,
0.3440

 8.7472, 0.2828,
0.3684

181.4809, 0.3020,
0.3429

 4.5767, 0.2753,
0.3786

222.7428, 0.3028,
0.3420

 2.0011, 0.2629,
0.3956

269.8280, 0.3034,

 0.6081, 0.1722,

0.3411

0.5099

323.1210, 0.3039,
0.3404

0.0000, 0.0000,
0.0000

49.0670, 0.2961,
0.3507

49.0670, 0.2961,
0.3507

46.9195, 0.2878,
0.3642

51.5509, 0.3049,
0.3385

45.0873, 0.2802,
0.3789

54.3789, 0.3140,
0.3275

43.5563, 0.2737,
0.3947

57.5664, 0.3232,
0.3177

42.3090, 0.2686,
0.4113

61.1256, 0.3322,
0.3091

41.3260, 0.2653,
0.4285

65.0686, 0.3410,
0.3015

■ 40.5851, 0.2639,
0.4458

■ 65.5413, 0.3343,
0.2931

■ 40.0606, 0.2644,
0.4630

■ 66.0362, 0.3278,
0.2848

■ 39.7110, 0.2668,
0.4795

■ 66.5554, 0.3214,
0.2767

■ 39.6665, 0.2672,
0.4819

■ 67.0659, 0.3155,
0.2693

Harmonies

Analogous

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



49.0670, 0.3175, 0.3642



49.0670, 0.2961, 0.3507



49.0670, 0.2795, 0.3310

Triad

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



49.0670, 0.2961, 0.3507



49.0670, 0.2870, 0.2927



49.0670, 0.3555, 0.3441

Complementary

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



49.0670, 0.2961, 0.3507



38.9748, 0.3331, 0.3083

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.



49.0670, 0.3468, 0.3257



49.0670, 0.2961, 0.3507



49.0670, 0.3068, 0.2967

Square

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



49.0670, 0.2961, 0.3507



49.0670, 0.2744, 0.2978



49.0670, 0.3288, 0.3086



49.0670, 0.3522, 0.3594

Rectangle

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



49.0670, 0.2961, 0.3507



49.0670, 0.2732, 0.3176



49.0670, 0.3288, 0.3086



49.0670, 0.3539, 0.3381

Sweetspot

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



49.0691, 0.2961, 0.3507



94.5976, 0.3072, 0.3356



50.0754, 0.3236, 0.3771



20.6438, 0.3066, 0.3364



0.0000, 0.0000, 0.0000



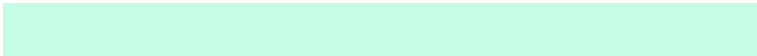
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0691, 0.2961, 0.3507



87.3525, 0.2929, 0.3557



48.9524, 0.2850, 0.3265



11.3505, 0.3042, 0.3394



26.0947, 0.2666, 0.4797



1.1412, 0.2563, 0.4426

Inverse Universe

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



38.9748, 0.3331, 0.3083



65.9220, 0.3382, 0.3038



39.0069, 0.3480, 0.3315



10.1505, 0.3221, 0.3188



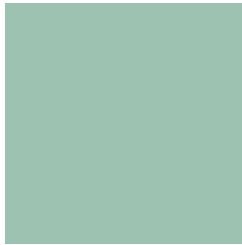
7.9996, 0.5172, 0.2623



0.3595, 0.4625, 0.2321

Previews

White Background



This preview shows how the Yxy color 49.0670, 0.2961, 0.3507 looks on a white background.

Color Contrast Check

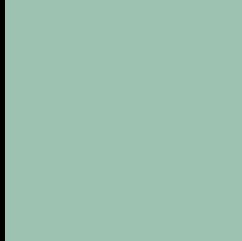
Large Text (above 18pt) WCAG AA × Fail

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 49.0670, 0.2961, 0.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

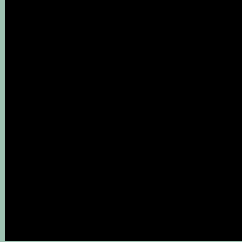
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

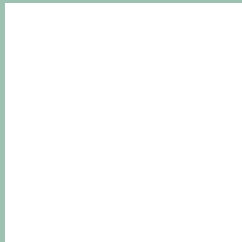
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0670, 0.2961, 0.3507

Background



This preview shows how black text looks on a background with the Yxy color 49.0670, 0.2961, 0.3507.



This preview shows how white text looks on a background with the Yxy color 49.0670, 0.2961, 0.3507.

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

49.0670, 0.2961, 0.3507

Protanopia

48.9215, 0.3282, 0.3443

Deuteranopia

48.5555, 0.3339, 0.3266



Tritanopia

49.0212, 0.2811, 0.3094

Trichromacy



Original Color

49.0670, 0.2961, 0.3507

Protanomaly

48.7649, 0.3161, 0.3460

Deuteranomaly

48.2676, 0.3193, 0.3341

Tritanomaly

48.7788, 0.2865, 0.3236

Monochromacy



Original Color

49.0670, 0.2961, 0.3507

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.2973, 0.3066, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0670, 0.2961, 0.3507 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(158, 194, 178)` looks like.

```
.text, #text, p{  
    color:rgb(158, 194, 178)  
}
```

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(158, 194, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 194, 178) }
```

Border

The CSS property to change the border of an element to Yxy 49.0670, 0.2961, 0.3507 is called "border". The border property can be set on classes, ids or directly on the HTML element.

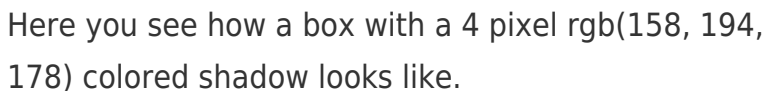
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 194, 178) }
```

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

```
.border{ border-color:rgb(158, 194, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 194, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 194, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 194, 178); box-shadow:4px 4px 4px 4px rgb(158, 194, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0670, 0.2961, 0.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 194, 178) }
```

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

```
.background{ background-color: rgb(158,  
194, 178) }
```

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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