

Converting Colors

$Yxy(48.7140, 0.2867, 0.3540)$

Have a look what the booklet for
Yxy(48.7140, 0.2867, 0.3540)
contains.

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Color

Yxy(48.7140, 0.2867, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	91C4B2
RGB	145, 196, 178
RGB Percent	57%, 77%, 70%
CMY	0.4314, 0.2314, 0.3020
CMYK	0.26, 0.00, 0.09, 0.23
HSL	159°, 30%, 67%
HSV	159°, 26%, 77%
XYZ	39.4528, 48.7140, 49.4433
YIQ	178.6990, -24.6180, -16.4100

Conversions

Conversions Part 2

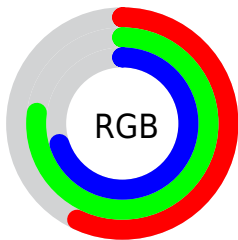
Format	Color
RYB	145, 176, 196
Decimal	9553074
CIELab	75.27, -20.44, 3.64
CIELCh	75, 20.762, 169.898
Yxy	48.7140, 0.2867, 0.3540
Android (android.graphics.Color)	4287743154 (0xFF91C4B2)
YUV	178.6990, -0.3446, -29.5540
Hunter-Lab	69.7954, -21.2424, 6.8555

Details

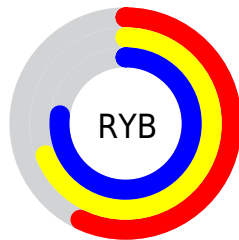
The Yxy color **48.7140, 0.2867, 0.3540** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.6318, 0.3484, 0.3054**, and the grayscale version is **44.9235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4704, 0.2913, 0.3493**, and **23.1538, 0.2796, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **46.8154, 0.2779, 0.3653**, and if you desaturate by 10%, it is **50.9378, 0.2963, 0.3436**.

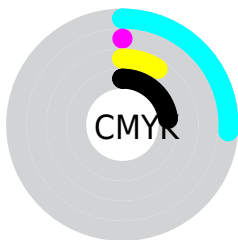
Distribution



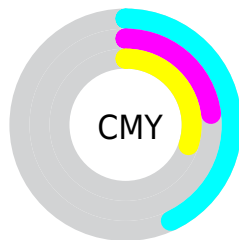
- Red (57%)
- Green (77%)
- Blue (70%)



- Red (57%)
- Yellow (69%)
- Blue (77%)



- Cyan (26%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)





- Cyan (43%)
- Magenta (23%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7140, 0.2867, 0.3540 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 48.7140, 0.2867, 0.3540 by changing the saturation by 10% instead.


 48.7140, 0.2867,
0.3540


 48.7140, 0.2867,
0.3540


381.6153, 0.2997,
0.3414

 34.3927, 0.2835,
0.3572


 88.2665, 0.2914,
0.3494

 23.1954, 0.2793,
0.3613


 114.2665, 0.2932,
0.3477

 14.7379, 0.2738,
0.3668


144.9282, 0.2947,
0.3462

 8.6356, 0.2661,
0.3745

180.6359, 0.2960,
0.3450

 4.5043, 0.2545,
0.3862

221.7741, 0.2971,
0.3439

 1.9595, 0.2356,
0.4060

268.7271, 0.2981,

 0.5838, 0.0547,

0.3430

0.5720

321.8794, 0.2989,
0.3421

0.0000, 0.0000,
0.0000

48.7140, 0.2867,
0.3540

48.7140, 0.2867,
0.3540

46.8154, 0.2779,
0.3653

50.9378, 0.2963,
0.3436

45.2200, 0.2702,
0.3774

53.4956, 0.3065,
0.3342

43.9125, 0.2640,
0.3902

56.4034, 0.3169,
0.3257

42.8736, 0.2594,
0.4035

59.6742, 0.3274,
0.3182

42.0817, 0.2567,
0.4171

63.3204, 0.3378,
0.3115

■ 41.5119, 0.2561,
0.4307

■ 65.8831, 0.3420,
0.3051

■ 41.1324, 0.2574,
0.4441

■ 66.2563, 0.3366,
0.2983

■ 41.0095, 0.2582,
0.4494

■ 66.6448, 0.3313,
0.2915

■ 67.0487, 0.3261,
0.2849

Harmonies

Analogous

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



48.7140, 0.3141, 0.3740



48.7140, 0.2867, 0.3540



48.7140, 0.2668, 0.3270

Triad

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



48.7140, 0.2867, 0.3540



48.7140, 0.2825, 0.2818



48.7140, 0.3697, 0.3519

Complementary

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



48.7140, 0.2867, 0.3540



34.6318, 0.3484, 0.3054

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.



48.7140, 0.3606, 0.3281



48.7140, 0.2867, 0.3540



48.7140, 0.3092, 0.2889

Square

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



48.7140, 0.2867, 0.3540



48.7140, 0.2645, 0.2861



48.7140, 0.3381, 0.3056



48.7140, 0.3626, 0.3711

Rectangle

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



48.7140, 0.2867, 0.3540



48.7140, 0.2600, 0.3097



48.7140, 0.3381, 0.3056



48.7140, 0.3685, 0.3441

Sweetspot

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



48.7160, 0.2867, 0.3540



95.8790, 0.3043, 0.3361



49.3869, 0.3242, 0.3993



20.3662, 0.3027, 0.3375



0.0000, 0.0000, 0.0000



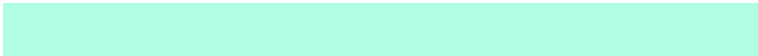
21.4041, 0.3127, 0.3290

Same Dimension

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



48.7160, 0.2867, 0.3540



86.2958, 0.2818, 0.3601



46.4884, 0.2742, 0.3196



11.3661, 0.3030, 0.3373



26.3660, 0.2576, 0.4475



1.1519, 0.2494, 0.4178

Inverse Universe

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



34.6318, 0.3484, 0.3054



56.6435, 0.3585, 0.3002



36.1727, 0.3653, 0.3382



10.1353, 0.3235, 0.3209



7.8332, 0.5539, 0.2825



0.3516, 0.4913, 0.2480

Previews

White Background



This preview shows how the Yxy color 48.7140, 0.2867, 0.3540 looks on a white background.

Color Contrast Check

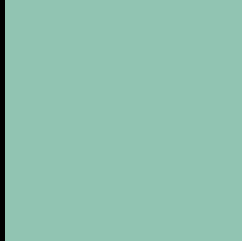
Large Text (above 18pt) WCAG AA × Fail

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 48.7140, 0.2867, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

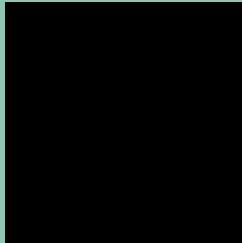
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7140, 0.2867, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 48.7140, 0.2867, 0.3540.

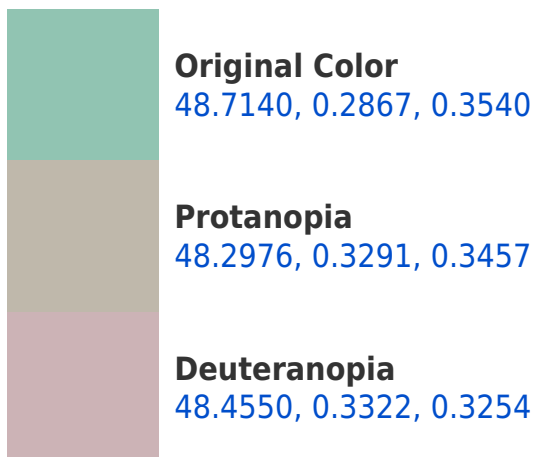


This preview shows how white text looks on a background with the Yxy color 48.7140, 0.2867, 0.3540.

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





Tritanopia

48.7836, 0.2716, 0.3091

Trichromacy



Original Color

48.7140, 0.2867, 0.3540

Protanomaly

48.0211, 0.3118, 0.3476

Deuteranomaly

48.1014, 0.3142, 0.3342

Tritanomaly

48.5150, 0.2774, 0.3248

Monochromacy



Original Color

48.7140, 0.2867, 0.3540

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.1681, 0.3024, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7140, 0.2867, 0.3540 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(145, 196, 178)` looks like.

```
.text, #text, p{  
    color:rgb(145, 196, 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(145, 196, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 196, 178) }
```

Border

The CSS property to change the border of an element to Yxy 48.7140, 0.2867, 0.3540 is called "border". The border property can be set on classes, ids or directly on the HTML element.

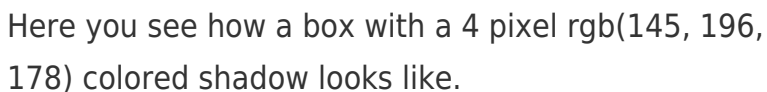
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 196, 178) }
```

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

```
.border{ border-color:rgb(145, 196, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 196, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 196, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 196, 178); box-shadow:4px 4px 4px 4px rgb(145, 196, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7140, 0.2867, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 196, 178) }
```

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

```
.background{ background-color: rgb(145,  
196, 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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