

Converting Colors

$Y_{xy}(48.9370, 0.2770, 0.3272)$

Have a look what the booklet for
Yxy(48.9370, 0.2770, 0.3272)
contains.

Yxy(48.8650, 0.2768, 0.3262)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.8650, 0.2768, 0.3262)

Conversions

Conversions Part 1

Format	Color
Hex	94C2C4
RGB	148, 194, 196
RGB Percent	58%, 76%, 77%
CMY	0.4197, 0.2392, 0.2314
CMYK	0.25, 0.01, 0.00, 0.23
HSL	182°, 29%, 67%
HSV	182°, 25%, 77%
XYZ	41.4648, 48.8650, 59.4709
YIQ	180.4740, -28.0580, -9.1300

Conversions

Conversions Part 2

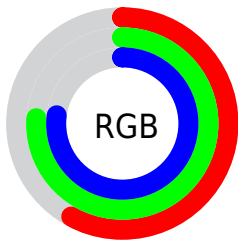
Format	Color
RYB	148, 171, 196
Decimal	9749188
CIELab	75.37, -14.61, -5.96
CIELCh	75, 15.778, 202.176
Yxy	48.8650, 0.2768, 0.3262
Android (android.graphics.Color)	4287939268 (0xFF94C2C4)
YUV	180.4740, 7.6543, -28.4797
Hunter-Lab	69.9035, -16.4498, -1.5089

Details

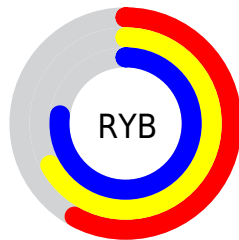
The Yxy color **48.8650, 0.2768, 0.3262** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.6759, 0.3628, 0.3318**, and the grayscale version is **45.8778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7827, 0.2829, 0.3268**, and **23.1960, 0.2675, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **46.8308, 0.2639, 0.3249**, and if you desaturate by 10%, it is **51.2146, 0.2909, 0.3274**.

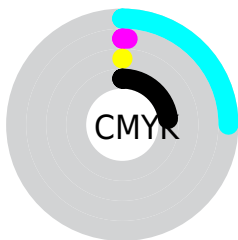
Distribution



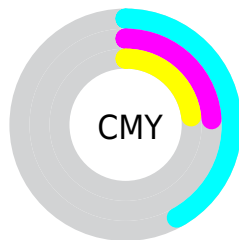
- Red (58%)
- Green (76%)
- Blue (77%)



- Red (58%)
- Yellow (67%)
- Blue (77%)



- Cyan (25%)
- Magenta (1%)
- Yellow (0%)
- Black (23%)




- Cyan (42%)
- Magenta (24%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8650, 0.2768, 0.3262 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 48.8650, 0.2768, 0.3262 by changing the saturation by 10% instead.

 48.8650, 0.2768,
0.3262


 48.8650, 0.2768,
0.3262


382.2106, 0.2944,
0.3278

 34.5124, 0.2725,
0.3257


 88.4909, 0.2831,
0.3268

 23.2875, 0.2670,
0.3251


 114.5330, 0.2855,
0.3271

 14.8060, 0.2598,
0.3242


145.2404, 0.2876,
0.3272

 8.6833, 0.2500,
0.3228

180.9975, 0.2893,
0.3274

 4.5352, 0.2357,
0.3205

222.1887, 0.2909,
0.3275

 1.9772, 0.2132,
0.3161

269.1983, 0.2922,

 0.5942, 0.1113,

0.3276

0.3179

322.4108, 0.2934,
0.3277

0.0000, 0.0000,
0.0000

48.8650, 0.2768,
0.3262

48.8650, 0.2768,
0.3262

46.8308, 0.2639,
0.3249

51.2146, 0.2909,
0.3274

45.0905, 0.2525,
0.3236

53.8881, 0.3058,
0.3285

43.6291, 0.2427,
0.3222

56.9012, 0.3213,
0.3296

42.4279, 0.2347,
0.3208

60.2665, 0.3371,
0.3305

41.4660, 0.2286,
0.3194

63.9962, 0.3529,
0.3313

■ 40.7191, 0.2245,
0.3181

■ 66.0404, 0.3601,
0.3321

■ 40.1580, 0.2220,
0.3167

■ 66.4152, 0.3599,
0.3330

■ 39.8973, 0.2211,
0.3160

■ 66.7920, 0.3597,
0.3338

■ 67.1709, 0.3595,
0.3346

Harmonies

Analogous

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



48.8650, 0.2916, 0.3464



48.8650, 0.2768, 0.3262



48.8650, 0.2714, 0.3077

Triad

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



48.8650, 0.2768, 0.3262



48.8650, 0.3119, 0.2989



48.8650, 0.3498, 0.3621

Complementary

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



48.8650, 0.2768, 0.3262



35.6759, 0.3628, 0.3318

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.



48.8650, 0.3559, 0.3481



48.8650, 0.2768, 0.3262



48.8650, 0.3336, 0.3123

Square

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



48.8650, 0.2768, 0.3262



48.8650, 0.2911, 0.2928



48.8650, 0.3499, 0.3300



48.8650, 0.3337, 0.3675

Rectangle

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



48.8650, 0.2768, 0.3262



48.8650, 0.2737, 0.2988



48.8650, 0.3499, 0.3300



48.8650, 0.3531, 0.3582

Sweetspot

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



48.8670, 0.2768, 0.3262



96.2989, 0.3018, 0.3282



47.9625, 0.3084, 0.3953



20.5467, 0.3009, 0.3282



0.0000, 0.0000, 0.0000



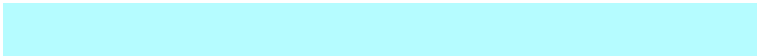
21.4041, 0.3127, 0.3290

Same Dimension

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



48.8670, 0.2768, 0.3262



86.6284, 0.2703, 0.3256



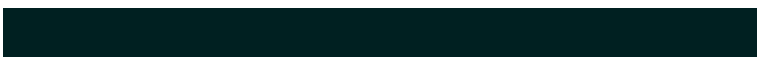
39.1744, 0.2740, 0.2931



11.3545, 0.2984, 0.3280



25.6677, 0.2212, 0.3162



1.1316, 0.2220, 0.3192

Inverse Universe

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



36.8038, 0.3174, 0.2711



61.3521, 0.3184, 0.2593



43.9871, 0.3556, 0.3624



10.2401, 0.3144, 0.3072



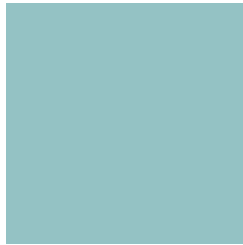
9.8734, 0.3315, 0.1600



0.4289, 0.3289, 0.1586

Previews

White Background



This preview shows how the Yxy color 48.8650, 0.2768, 0.3262 looks on a white background.

Color Contrast Check

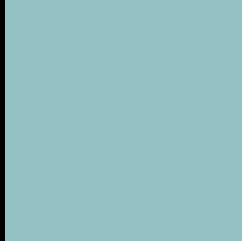
Large Text (above 18pt) WCAG AA × Fail

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 48.8650, 0.2768, 0.3262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

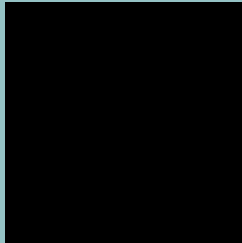
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

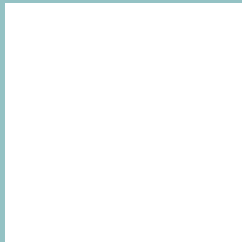
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8650, 0.2768, 0.3262

Background



This preview shows how black text looks on a background with the Yxy color 48.8650, 0.2768, 0.3262.

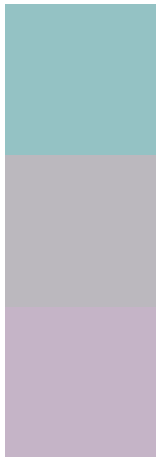


This preview shows how white text looks on a background with the Yxy color 48.8650, 0.2768, 0.3262.

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

48.8650, 0.2768, 0.3262

Protanopia

48.5635, 0.3106, 0.3214

Deuteranopia

48.6364, 0.3121, 0.3057



Tritanopia

48.7374, 0.2703, 0.3077

Trichromacy



Original Color

48.8650, 0.2768, 0.3262

Protanomaly

48.6564, 0.2976, 0.3237

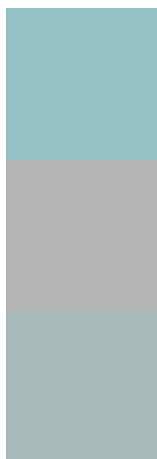
Deuteranomaly

48.3588, 0.2980, 0.3124

Tritanomaly

48.8891, 0.2723, 0.3142

Monochromacy



Original Color

48.8650, 0.2768, 0.3262

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.5679, 0.2980, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8650, 0.2768, 0.3262 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(148, 194, 196)` looks like.

```
.text, #text, p{  
    color:rgb(148, 194, 196)  
}
```

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(148, 194, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 194, 196) }
```

Border

The CSS property to change the border of an element to Yxy 48.8650, 0.2768, 0.3262 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(148, 194, 196) }
```

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

```
.border{ border-color:rgb(148, 194, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 194, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 194, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 194, 196);  
box-shadow:4px 4px 4px 4px rgb(148, 194,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8650, 0.2768, 0.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 194, 196) }
```

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

```
.background{ background-color: rgb(148,  
194, 196) }
```

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