

Converting Colors

$Y_{xy}(48.7765, 0.2772, 0.3179)$

Have a look what the booklet for
Yxy(48.7765, 0.2772, 0.3179)
contains.

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Color

Yxy(48.6886, 0.2768, 0.3169)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 99C0C9 |
| RGB | 153, 192, 201 |
| RGB Percent | 60%, 75%, 79% |
| CMY | 0.4001, 0.2470, 0.2117 |
| CMYK | 0.24, 0.04, 0.00, 0.21 |
| HSL | 191°, 31%, 69% |
| HSV | 191°, 24%, 79% |
| XYZ | 42.5276, 48.6886, 62.4240 |
| YIQ | 181.3650, -26.1330, -5.4690 |

Conversions

Conversions Part 2

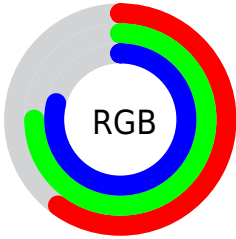
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 153, 175, 201 |
| Decimal | 10076361 |
| CIELab | 75.26, -10.92, -8.81 |
| CIElCh | 75, 14.032, 218.878 |
| Yxy | 48.6886, 0.2768, 0.3169 |
| Android (android.graphics.Color) | 4288266441 (0xFF99C0C9) |
| YUV | 181.3650, 9.6801, -24.8761 |
| Hunter-Lab | 69.7772, -13.3184, -4.1979 |

Details

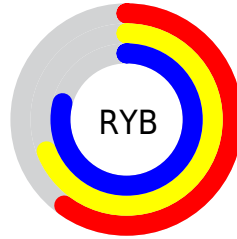
The Yxy color **48.6886, 0.2768, 0.3169** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.5567, 0.3593, 0.3408**, and the grayscale version is **46.3729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7647, 0.2845, 0.3217**, and **23.3385, 0.2675, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **45.2621, 0.2628, 0.3111**, and if you desaturate by 10%, it is **52.4909, 0.2916, 0.3223**.

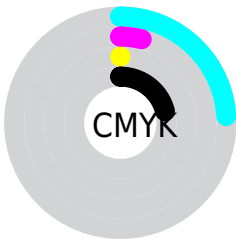
Distribution



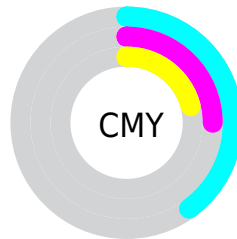
- Red (60%)
- Green (75%)
- Blue (79%)



- Red (60%)
- Yellow (69%)
- Blue (79%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (21%)





- Cyan (40%)
- Magenta (25%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6886, 0.2768, 0.3169 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 48.6886, 0.2768, 0.3169 by changing the saturation by 10% instead.


 48.6886, 0.2768,
0.3169


 48.6886, 0.2768,
0.3169


381.5151, 0.2944,
0.3231

 34.3725, 0.2725,
0.3153


 88.2288, 0.2831,
0.3192

 23.1799, 0.2670,
0.3132


 114.2217, 0.2855,
0.3201

 14.7264, 0.2599,
0.3104


144.8756, 0.2876,
0.3208

 8.6276, 0.2501,
0.3064

180.5750, 0.2893,
0.3214

 4.4991, 0.2359,
0.3002

221.7043, 0.2908,
0.3219

 1.9565, 0.2136,
0.2897

268.6478, 0.2922,

 0.5820, 0.1334,

0.3224

0.2711

321.7899, 0.2934,
0.3228

0.0000, 0.0000,
0.0000

48.6886, 0.2768,
0.3169

48.6886, 0.2768,
0.3169

45.2621, 0.2628,
0.3111

52.4909, 0.2916,
0.3223

42.1888, 0.2498,
0.3050

56.6788, 0.3067,
0.3272

39.4522, 0.2383,
0.2985

61.2690, 0.3221,
0.3317

37.0325, 0.2283,
0.2918

66.2753, 0.3374,
0.3357

34.9071, 0.2202,
0.2851

71.7108, 0.3524,
0.3392

■ 33.0501, 0.2140,
0.2783

■ 73.8899, 0.3528,
0.3430

■ 31.4303, 0.2096,
0.2715

■ 75.8280, 0.3520,
0.3468

■ 30.5234, 0.2076,
0.2674

■ 77.8105, 0.3512,
0.3506

■ 79.8379, 0.3505,
0.3543

Harmonies

Analogous

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



48.6886, 0.2856, 0.3347



48.6886, 0.2768, 0.3169



48.6886, 0.2772, 0.3032

Triad

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



48.6886, 0.2768, 0.3169



48.6886, 0.3231, 0.3081



48.6886, 0.3387, 0.3623

Complementary

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



48.6886, 0.2768, 0.3169



40.5567, 0.3593, 0.3408

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.



48.6886, 0.3494, 0.3538



48.6886, 0.2768, 0.3169



48.6886, 0.3403, 0.3227

Square

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



48.6886, 0.2768, 0.3169



48.6886, 0.3034, 0.2987



48.6886, 0.3500, 0.3392



48.6886, 0.3211, 0.3616

Rectangle

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



48.6886, 0.2768, 0.3169



48.6886, 0.2827, 0.2980



48.6886, 0.3500, 0.3392



48.6886, 0.3432, 0.3603

Sweetspot

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



48.6906, 0.2768, 0.3169



94.6528, 0.3018, 0.3257



51.1525, 0.3036, 0.3832



20.1644, 0.3009, 0.3254



0.0000, 0.0000, 0.0000



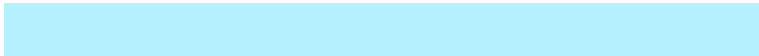
21.4041, 0.3127, 0.3290

Same Dimension

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



48.6906, 0.2768, 0.3169



80.0371, 0.2690, 0.3138



39.0648, 0.2741, 0.2839



11.7162, 0.2984, 0.3246



19.3144, 0.2079, 0.2684



1.0045, 0.2118, 0.2824

Inverse Universe

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



39.0023, 0.3236, 0.2805



60.6867, 0.3267, 0.2691



49.7549, 0.3525, 0.3703



10.7812, 0.3166, 0.3104



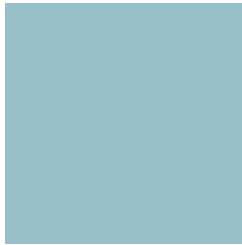
9.4898, 0.3743, 0.1836



0.4584, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 48.6886, 0.2768, 0.3169 looks on a white background.

Color Contrast Check

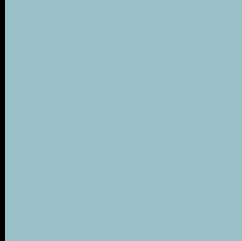
Large Text (above 18pt) WCAG AA × Fail

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 48.6886, 0.2768, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

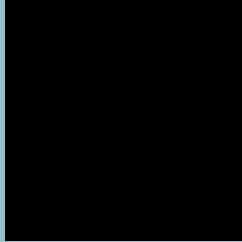
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

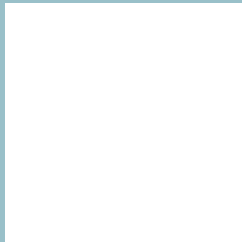
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6886, 0.2768, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 48.6886, 0.2768, 0.3169.



This preview shows how white text looks on a background with the Yxy color 48.6886, 0.2768, 0.3169.

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

48.6886, 0.2768, 0.3169

Protanopia

48.5808, 0.3043, 0.3138

Deuteranopia

48.4715, 0.3057, 0.2995



Tritanopia

48.5879, 0.2742, 0.3091

Trichromacy



Original Color

48.6886, 0.2768, 0.3169

Protanomaly

48.5021, 0.2933, 0.3147

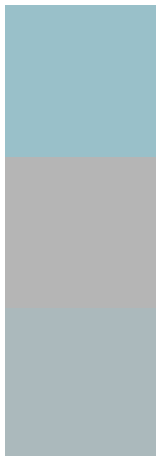
Deuteranomaly

48.1765, 0.2943, 0.3048

Tritanomaly

48.4913, 0.2755, 0.3117

Monochromacy



Original Color

48.6886, 0.2768, 0.3169

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.9867, 0.2989, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6886, 0.2768, 0.3169 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(153, 192, 201)` looks like.

```
.text, #text, p{  
    color:rgb(153, 192, 201)  
}
```

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(153, 192, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 192, 201) }
```

Border

The CSS property to change the border of an element to Yxy 48.6886, 0.2768, 0.3169 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(153, 192, 201) }
```

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

```
.border{ border-color:rgb(153, 192, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 192, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 192, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 192, 201);  
box-shadow:4px 4px 4px 4px rgb(153, 192,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6886, 0.2768, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 192, 201) }
```

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

```
.background{ background-color: rgb(153,  
192, 201) }
```

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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