

Converting Colors

$Y_{xy}(48.4198, 0.2910, 0.3277)$

Have a look what the booklet for
Yxy(48.4198, 0.2910, 0.3277)
contains.

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Color

Yxy(48.3750, 0.2907, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	A3BEBF
RGB	163, 190, 191
RGB Percent	64%, 75%, 75%
CMY	0.3607, 0.2549, 0.2510
CMYK	0.15, 0.01, 0.00, 0.25
HSL	182°, 18%, 69%
HSV	182°, 15%, 75%
XYZ	42.9262, 48.3750, 56.3637
YIQ	182.0410, -16.4130, -5.4130

Conversions

Conversions Part 2

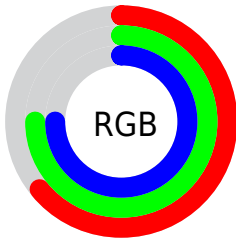
Format	Color
RYB	163, 177, 191
Decimal	10731199
CIELab	75.06, -8.89, -3.59
CIELCh	75, 9.583, 201.972
Yxy	48.3750, 0.2907, 0.3276
Android (android.graphics.Color)	4288921279 (0xFFA3BEBF)
YUV	182.0410, 4.4168, -16.6990
Hunter-Lab	69.5521, -11.5497, 0.6391

Details

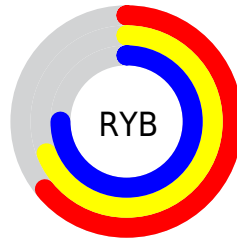
The Yxy color **48.3750, 0.2907, 0.3276** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.2852, 0.3394, 0.3304**, and the grayscale version is **46.7886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5324, 0.2947, 0.3279**, and **23.1058, 0.2844, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **46.2144, 0.2767, 0.3266**, and if you desaturate by 10%, it is **50.8455, 0.3056, 0.3286**.

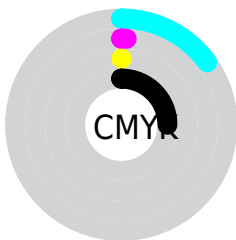
Distribution



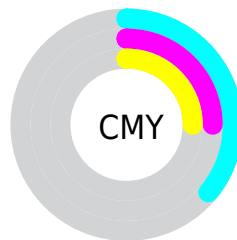
- Red (64%)
- Green (75%)
- Blue (75%)



- Red (64%)
- Yellow (69%)
- Blue (75%)



- Cyan (15%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)





- Cyan (36%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3750, 0.2907, 0.3276 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 48.3750, 0.2907, 0.3276 by changing the saturation by 10% instead.


 48.3750, 0.2907,
0.3276

 48.3750, 0.2907,
0.3276


380.2766, 0.3016,
0.3284

 34.1240, 0.2880,
0.3274

 87.7625, 0.2946,
0.3279

 22.9888, 0.2846,
0.3271


 113.6677, 0.2961,
0.3280

 14.5853, 0.2801,
0.3267


144.2264, 0.2974,
0.3281

 8.5288, 0.2738,
0.3260

179.8231, 0.2984,
0.3282

 4.4352, 0.2647,
0.3250

220.8420, 0.2994,
0.3282

 1.9198, 0.2498,
0.3230

267.6677, 0.3002,

 0.5603, 0.1817,

0.3283

320.6844, 0.3009,
0.3283

0.3226

0.0000, 0.0000,
0.0000

48.3750, 0.2907,
0.3276

48.3750, 0.2907,
0.3276

46.2144, 0.2767,
0.3266

50.8455, 0.3056,
0.3286

44.3442, 0.2639,
0.3255

53.6326, 0.3211,
0.3295

42.7516, 0.2525,
0.3243

56.7504, 0.3369,
0.3303

41.4207, 0.2428,
0.3231

60.2103, 0.3527,
0.3310

40.3340, 0.2349,
0.3219

63.3470, 0.3655,
0.3317

■ 39.4719, 0.2290,
0.3207

■ 63.6512, 0.3653,
0.3324

■ 38.8115, 0.2249,
0.3195

■ 63.9568, 0.3651,
0.3331

■ 38.3253, 0.2225,
0.3184

■ 64.2639, 0.3650,
0.3338

■ 38.1066, 0.2216,
0.3177

■ 64.5723, 0.3648,
0.3345

Harmonies

Analogous

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



48.3750, 0.3000, 0.3396



48.3750, 0.2907, 0.3276



48.3750, 0.2873, 0.3163

Triad

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



48.3750, 0.2907, 0.3276



48.3750, 0.3123, 0.3103



48.3750, 0.3354, 0.3492

Complementary

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



48.3750, 0.2907, 0.3276



40.2852, 0.3394, 0.3304

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.



48.3750, 0.3389, 0.3409



48.3750, 0.2907, 0.3276



48.3750, 0.3254, 0.3187

Square

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



48.3750, 0.2907, 0.3276



48.3750, 0.2995, 0.3066



48.3750, 0.3352, 0.3298



48.3750, 0.3257, 0.3523

Rectangle

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



48.3750, 0.2907, 0.3276



48.3750, 0.2887, 0.3107



48.3750, 0.3352, 0.3298



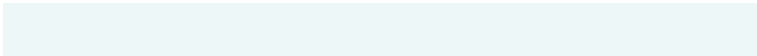
48.3750, 0.3373, 0.3470

Sweetspot

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



48.3770, 0.2907, 0.3276



91.3389, 0.3065, 0.3286



47.7302, 0.3102, 0.3662



19.9783, 0.3053, 0.3286



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



48.3770, 0.2907, 0.3276



85.1715, 0.2855, 0.3272



42.6350, 0.2901, 0.3087



10.7493, 0.2985, 0.3281



25.0697, 0.2216, 0.3179



1.0004, 0.2224, 0.3207

Inverse Universe

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



40.9998, 0.3153, 0.2945



69.1068, 0.3159, 0.2858



45.5419, 0.3368, 0.3485



9.6902, 0.3143, 0.3072



9.5605, 0.3300, 0.1591



0.3764, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 48.3750, 0.2907, 0.3276 looks on a white background.

Color Contrast Check

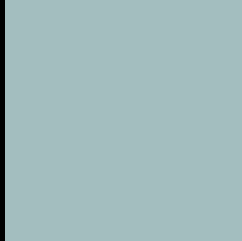
Large Text (above 18pt) WCAG AA × Fail

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 48.3750, 0.2907, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

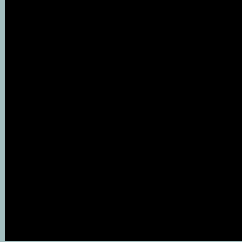
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

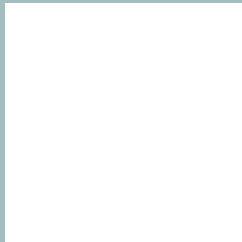
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3750, 0.2907, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 48.3750, 0.2907, 0.3276.

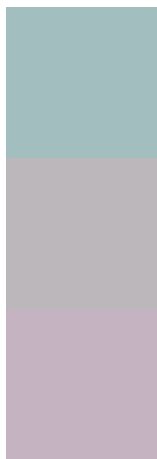


This preview shows how white text looks on a background with the Yxy color 48.3750, 0.2907, 0.3276.

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

48.3750, 0.2907, 0.3276

Protanopia

48.0196, 0.3130, 0.3239

Deuteranopia

48.0962, 0.3178, 0.3117



Tritanopia

48.2776, 0.2838, 0.3094

Trichromacy



Original Color

48.3750, 0.2907, 0.3276

Protanomaly

48.2136, 0.3046, 0.3264

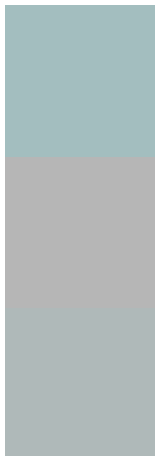
Deuteranomaly

47.9870, 0.3074, 0.3175

Tritanomaly

48.4112, 0.2858, 0.3158

Monochromacy



Original Color

48.3750, 0.2907, 0.3276

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.3147, 0.3044, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3750, 0.2907, 0.3276 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(163, 190, 191)` looks like.

```
.text, #text, p{  
    color:rgb(163, 190, 191)  
}
```

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(163, 190, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 190, 191) }
```

Border

The CSS property to change the border of an element to Yxy 48.3750, 0.2907, 0.3276 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(163, 190, 191) }
```

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

```
.border{ border-color:rgb(163, 190, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 190, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 190, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 190, 191);  
box-shadow:4px 4px 4px 4px rgb(163, 190,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3750, 0.2907, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 190, 191) }
```

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

```
.background{ background-color: rgb(163,  
190, 191) }
```

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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