

Converting Colors

$Yxy(47.2788, 0.2706, 0.3344)$

Have a look what the booklet for
Yxy(47.2788, 0.2706, 0.3344)
contains.

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Color

Yxy(47.2878, 0.2706, 0.3345)

Conversions

Conversions Part 1

Format	Color
Hex	85C2BE
RGB	133, 194, 190
RGB Percent	52%, 76%, 75%
CMY	0.4786, 0.2392, 0.2549
CMYK	0.31, 0.00, 0.02, 0.24
HSL	176°, 33%, 64%
HSV	176°, 31%, 76%
XYZ	38.2543, 47.2878, 55.8265
YIQ	175.3050, -35.0720, -14.1760

Conversions

Conversions Part 2

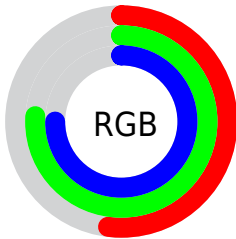
Format	Color
R _Y B	133, 165, 194
Decimal	8766142
CIE Lab	74.37, -20.38, -4.26
CIE LCh	74, 20.819, 191.804
Yxy	47.2878, 0.2706, 0.3345
Android (android.graphics.Color)	4286956222 (0xFF85C2BE)
YUV	175.3050, 7.2446, -37.1015
Hunter-Lab	68.7661, -21.0418, 0.0028

Details

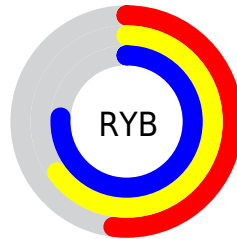
The Yxy color **47.2878, 0.2706, 0.3345** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.0412, 0.3788, 0.3238**, and the grayscale version is **43.0083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3395, 0.2783, 0.3343**, and **22.2678, 0.2586, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **45.7988, 0.2596, 0.3365**, and if you desaturate by 10%, it is **49.0727, 0.2829, 0.3326**.

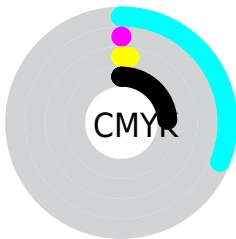
Distribution



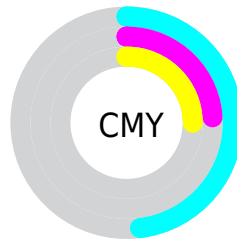
- Red (52%)
- Green (76%)
- Blue (75%)



- Red (52%)
- Yellow (65%)
- Blue (76%)



- Cyan (31%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)




- Cyan (48%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2878, 0.2706, 0.3345 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 47.2878, 0.2706, 0.3345 by changing the saturation by 10% instead.


 47.2878, 0.2706,
0.3345

 47.2878, 0.2706,
0.3345


375.9621, 0.2914,
0.3320


 33.2632, 0.2655,
0.3350


 86.1431, 0.2781,
0.3337

 22.3282, 0.2590,
0.3357


 111.7425, 0.2809,
0.3333

 14.0982, 0.2504,
0.3364


 141.9691, 0.2833,
0.3330

 8.1890, 0.2386,
0.3374

177.2072, 0.2854,
0.3328

 4.2161, 0.2213,
0.3384

217.8411, 0.2872,
0.3326

 1.7952, 0.1940,
0.3391

264.2553, 0.2888,

 0.4842, 0.0000,

0.3324

0.3699

316.8342, 0.2902,
0.3322

0.0000, 0.0000,
0.0000

47.2878, 0.2706,
0.3345

47.2878, 0.2706,
0.3345

45.7988, 0.2596,
0.3365

49.0727, 0.2829,
0.3326

44.5839, 0.2502,
0.3386

51.1627, 0.2964,
0.3308

43.6273, 0.2426,
0.3408

53.5735, 0.3106,
0.3292

42.9095, 0.2369,
0.3430


56.3181, 0.3253,
0.3278


42.4079, 0.2331,
0.3452

59.4087, 0.3403,
0.3265

 42.0956, 0.2310,
0.3473

 62.8571, 0.3553,
0.3253

 41.9356, 0.2303,
0.3492

 63.9682, 0.3588,
0.3241

 64.0276, 0.3578,
0.3227

 64.0875, 0.3568,
0.3214

Harmonies

Analogous

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



47.2878, 0.2934, 0.3609



47.2878, 0.2706, 0.3345



47.2878, 0.2591, 0.3079

Triad

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



47.2878, 0.2706, 0.3345



47.2878, 0.3013, 0.2854



47.2878, 0.3668, 0.3672

Complementary

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



47.2878, 0.2706, 0.3345



30.0412, 0.3788, 0.3238

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.



47.2878, 0.3696, 0.3458



47.2878, 0.2706, 0.3345



47.2878, 0.3308, 0.3000

Square

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



47.2878, 0.2706, 0.3345



47.2878, 0.2761, 0.2812



47.2878, 0.3562, 0.3216



47.2878, 0.3490, 0.3796

Rectangle

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



47.2878, 0.2706, 0.3345



47.2878, 0.2588, 0.2940



47.2878, 0.3562, 0.3216



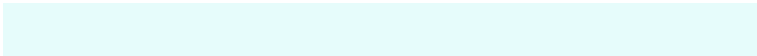
47.2878, 0.3695, 0.3607

Sweetspot

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



47.2897, 0.2706, 0.3345



93.6444, 0.2996, 0.3305



45.6020, 0.3115, 0.4197



20.3719, 0.2975, 0.3307



0.0000, 0.0000, 0.0000



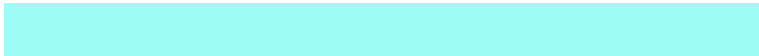
21.4041, 0.3127, 0.3290

Same Dimension

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



47.2897, 0.2706, 0.3345



83.6866, 0.2626, 0.3359



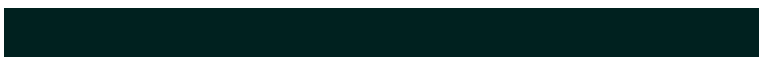
36.7211, 0.2636, 0.2905



11.4167, 0.2993, 0.3305



27.5728, 0.2303, 0.3489



1.1948, 0.2289, 0.3440

Inverse Universe

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



30.0412, 0.3788, 0.3238



47.3689, 0.4009, 0.3226



38.1033, 0.3726, 0.3645



10.0884, 0.3279, 0.3275



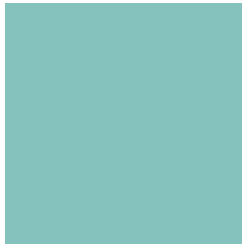
7.5639, 0.6319, 0.3255



0.3306, 0.6036, 0.3099

Previews

White Background



This preview shows how the Yxy color 47.2878, 0.2706, 0.3345 looks on a white background.

Color Contrast Check

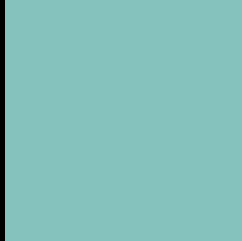
Large Text (above 18pt) WCAG AA × Fail

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 47.2878, 0.2706, 0.3345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

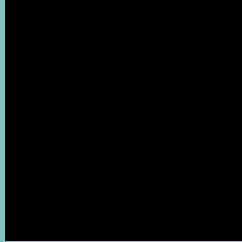
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

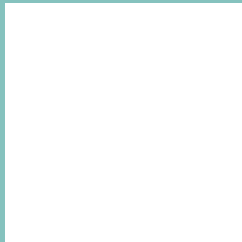
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2878, 0.2706, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 47.2878, 0.2706, 0.3345.

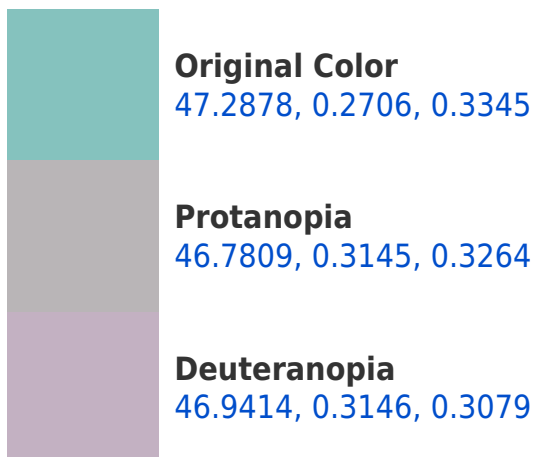


This preview shows how white text looks on a background with the Yxy color 47.2878, 0.2706, 0.3345.

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

47.0850, 0.2623, 0.3072

Trichromacy



Original Color

47.2878, 0.2706, 0.3345

Protanomaly

46.7700, 0.2964, 0.3290

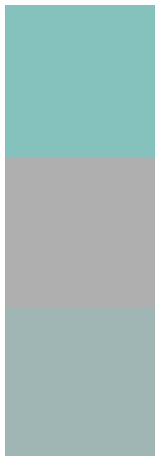
Deuteranomaly

46.4879, 0.2960, 0.3158

Tritanomaly

47.1506, 0.2655, 0.3165

Monochromacy



Original Color

47.2878, 0.2706, 0.3345

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.2248, 0.2960, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2878, 0.2706, 0.3345 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(133, 194, 190)` looks like.

```
.text, #text, p{  
    color:rgb(133, 194, 190)  
}
```

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(133, 194, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 194, 190) }
```

Border

The CSS property to change the border of an element to Yxy 47.2878, 0.2706, 0.3345 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(133, 194, 190) }
```

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

```
.border{ border-color:rgb(133, 194, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 194, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 194, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 194, 190);  
box-shadow:4px 4px 4px 4px rgb(133, 194,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2878, 0.2706, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 194, 190) }
```

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

```
.background{ background-color: rgb(133,  
194, 190) }
```

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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