

Converting Colors

$Yxy(47.8409, 0.2644, 0.3308)$

Have a look what the booklet for
Yxy(47.8409, 0.2644, 0.3308)
contains.

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Color

Yxy(47.8869, 0.2648, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	7FC4C2
RGB	127, 196, 194
RGB Percent	50%, 77%, 76%
CMY	0.5019, 0.2314, 0.2393
CMYK	0.35, 0.00, 0.01, 0.23
HSL	178°, 37%, 63%
HSV	178°, 35%, 77%
XYZ	38.2287, 47.8869, 58.2525
YIQ	175.1410, -40.4820, -15.2500

Conversions

Conversions Part 2

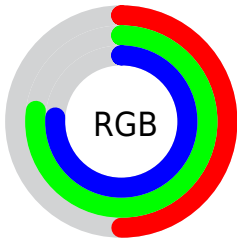
Format	Color
RYB	127, 162, 196
Decimal	8373442
CIELab	74.75, -22.10, -5.89
CIElCh	75, 22.871, 194.922
Yxy	47.8869, 0.2648, 0.3317
Android (android.graphics.Color)	4286563522 (0xFF7FC4C2)
YUV	175.1410, 9.2975, -42.2197
Hunter-Lab	69.2004, -22.4911, -1.4698

Details

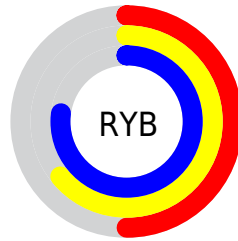
The Yxy color **47.8869, 0.2648, 0.3317** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.5042, 0.3931, 0.3265**, and the grayscale version is **42.9146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0978, 0.2733, 0.3321**, and **22.6559, 0.2519, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **46.5014, 0.2541, 0.3326**, and if you desaturate by 10%, it is **49.5691, 0.2770, 0.3309**.

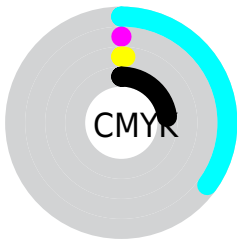
Distribution



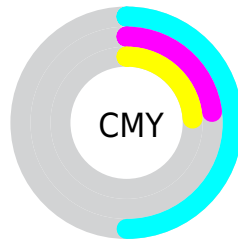
- Red (50%)
- Green (77%)
- Blue (76%)



- Red (50%)
- Yellow (64%)
- Blue (77%)



- Cyan (35%)
- Magenta (0%)
- Yellow (1%)
- Black (23%)




- Cyan (50%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8869, 0.2648, 0.3317 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 47.8869, 0.2648, 0.3317 by changing the saturation by 10% instead.


 47.8869, 0.2648,
0.3317


 47.8869, 0.2648,
0.3317


378.3437, 0.2884,
0.3307

 33.7373, 0.2591,
0.3318


 87.0360, 0.2733,
0.3314

 22.6919, 0.2518,
0.3319


 112.8043, 0.2765,
0.3313

 14.3662, 0.2422,
0.3319


 143.2143, 0.2792,
0.3312

 8.3758, 0.2291,
0.3317

178.6504, 0.2815,
0.3311

 4.3363, 0.2102,
0.3310

219.4970, 0.2836,
0.3310

 1.8634, 0.1807,
0.3286

266.1385, 0.2854,

 0.5262, 0.0000,

0.3309

0.3482

318.9592, 0.2869,
0.3308

0.0000, 0.0000,
0.0000

47.8869, 0.2648,
0.3317

47.8869, 0.2648,
0.3317

46.5014, 0.2541,
0.3326

49.5691, 0.2770,
0.3309

45.3898, 0.2451,
0.3335

51.5578, 0.2905,
0.3301

44.5352, 0.2379,
0.3345


53.8697, 0.3049,
0.3294

43.9164, 0.2327,
0.3354


56.5183, 0.3200,
0.3287


43.5090, 0.2293,
0.3364


59.5164, 0.3355,
0.3281


 43.2831, 0.2276,
0.3373

 62.8762, 0.3511,
0.3276

 43.2102, 0.2272,
0.3378

 64.8195, 0.3591,
0.3271

 64.8462, 0.3587,
0.3265

 64.8729, 0.3582,
0.3259

Harmonies

Analogous

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



47.8869, 0.2885, 0.3613



47.8869, 0.2648, 0.3317



47.8869, 0.2538, 0.3031

Triad

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



47.8869, 0.2648, 0.3317



47.8869, 0.3035, 0.2828



47.8869, 0.3705, 0.3725

Complementary

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



47.8869, 0.2648, 0.3317



28.5042, 0.3931, 0.3265

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.



47.8869, 0.3755, 0.3498



47.8869, 0.2648, 0.3317



47.8869, 0.3357, 0.2995

Square

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



47.8869, 0.2648, 0.3317



47.8869, 0.2752, 0.2768



47.8869, 0.3626, 0.3235



47.8869, 0.3496, 0.3849

Rectangle

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



47.8869, 0.2648, 0.3317



47.8869, 0.2546, 0.2888



47.8869, 0.3626, 0.3235



47.8869, 0.3741, 0.3658

Sweetspot

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



47.8888, 0.2648, 0.3317



95.0098, 0.2962, 0.3298



45.7061, 0.3095, 0.4330



20.2155, 0.2942, 0.3299



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.



47.8888, 0.2648, 0.3317



84.8255, 0.2566, 0.3324



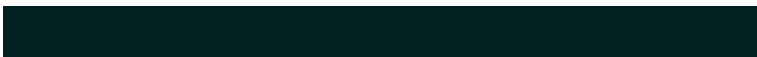
34.9809, 0.2573, 0.2816



11.4232, 0.2988, 0.3296



27.7654, 0.2271, 0.3376



1.2013, 0.2265, 0.3355

Inverse Universe

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



28.5042, 0.3931, 0.3265



44.6444, 0.4192, 0.3260



38.1370, 0.3806, 0.3719



10.0826, 0.3284, 0.3284



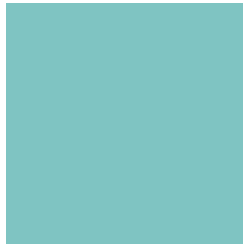
7.5511, 0.6364, 0.3279



0.3279, 0.6230, 0.3206

Previews

White Background



This preview shows how the Yxy color 47.8869, 0.2648, 0.3317 looks on a white background.

Color Contrast Check

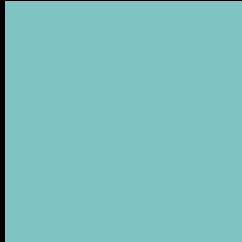
Large Text (above 18pt) WCAG AA × Fail

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 47.8869, 0.2648, 0.3317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

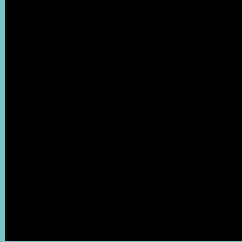
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

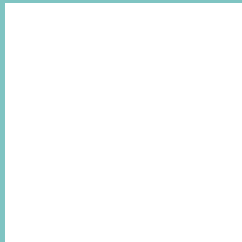
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8869, 0.2648, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 47.8869, 0.2648, 0.3317.

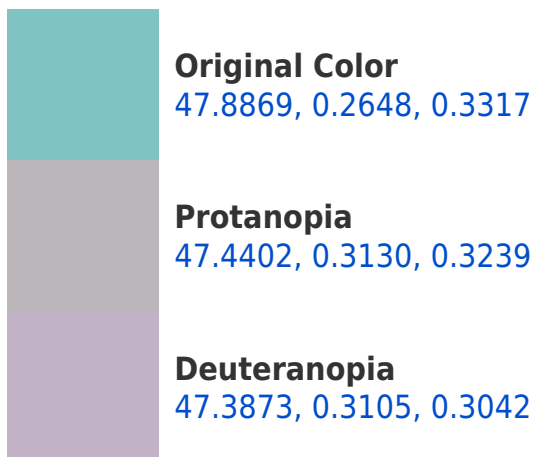


This preview shows how white text looks on a background with the Yxy color 47.8869, 0.2648, 0.3317.

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

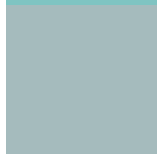
48.0123, 0.2580, 0.3085

Trichromacy



Original Color

47.8869, 0.2648, 0.3317



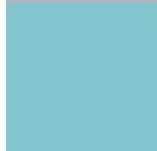
Protanomaly

47.2141, 0.2935, 0.3263



Deuteranomaly

47.2752, 0.2916, 0.3133



Tritanomaly

48.1357, 0.2605, 0.3165

Monochromacy



Original Color

47.8869, 0.2648, 0.3317



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

44.5135, 0.2930, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8869, 0.2648, 0.3317 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(127, 196, 194)` looks like.

```
.text, #text, p{  
    color:rgb(127, 196, 194)  
}
```

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(127, 196, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 196, 194) }
```

Border

The CSS property to change the border of an element to Yxy 47.8869, 0.2648, 0.3317 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(127, 196, 194) }
```

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

```
.border{ border-color:rgb(127, 196, 194) }
```

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

Here you see how a box with a 4 pixel rgb(127, 196, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 196, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 196, 194);  
box-shadow:4px 4px 4px 4px rgb(127, 196,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8869, 0.2648, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 196, 194) }
```

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

```
.background{ background-color: rgb(127,  
196, 194) }
```

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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