

Converting Colors

$Yxy(47.8803, 0.2809, 0.3896)$

Have a look what the booklet for
Yxy(47.8803, 0.2809, 0.3896)
contains.

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Color

Yxy(47.6982, 0.2807, 0.3884)

Conversions

Conversions Part 1

Format	Color
Hex	76C8A0
RGB	118, 200, 160
RGB Percent	46%, 78%, 63%
CMY	0.5371, 0.2157, 0.3726
CMYK	0.41, 0.00, 0.20, 0.22
HSL	151°, 43%, 62%
HSV	151°, 41%, 78%
XYZ	34.4719, 47.6982, 40.6368
YIQ	170.9220, -36.0320, -29.8240

Conversions

Conversions Part 2

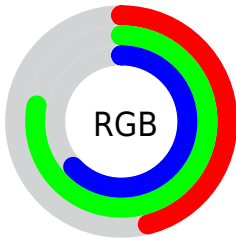
Format	Color
RYB	118, 172, 200
Decimal	7784608
CIELab	74.63, -34.09, 12.27
CIELCh	75, 36.235, 160.207
Yxy	47.6982, 0.2807, 0.3884
Android (android.graphics.Color)	4285974688 (0xFF76C8A0)
YUV	170.9220, -5.3845, -46.4126
Hunter-Lab	69.0639, -31.7670, 13.4588

Details

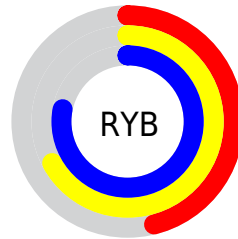
The Yxy color $47.6982, 0.2807, 0.3884$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $27.7140, 0.3648, 0.2772$, and the grayscale version is $40.7280, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3105, 0.2864, 0.3744$, and $22.7305, 0.2715, 0.4088$ is the 20% darker color. If you saturate the color by 10%, you get $46.1164, 0.2750, 0.4062$, and if you desaturate by 10%, it is $49.6076, 0.2876, 0.3718$.

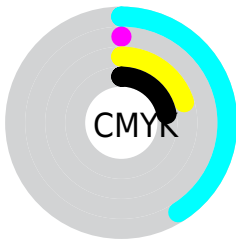
Distribution



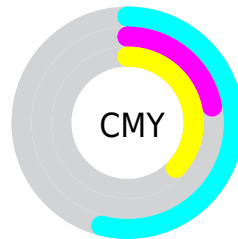
- Red (46%)
- Green (78%)
- Blue (63%)



- Red (46%)
- Yellow (67%)
- Blue (78%)



- Cyan (41%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)





- Cyan (54%)
- Magenta (22%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6982, 0.2807, 0.3884 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 47.6982, 0.2807, 0.3884 by changing the saturation by 10% instead.

 47.6982, 0.2807,
0.3884


 47.6982, 0.2807,
0.3884


377.5946, 0.2972,
0.3576

 33.5879, 0.2764,
0.3964


 86.7549, 0.2868,
0.3770

 22.5772, 0.2709,
0.4069

 112.4701, 0.2891,
0.3727

 14.2817, 0.2633,
0.4213


 142.8224, 0.2910,
0.3692

 8.3168, 0.2524,
0.4420

178.1963, 0.2926,
0.3662

 4.2983, 0.2356,
0.4745

218.9760, 0.2940,
0.3636

 1.8418, 0.2048,
0.5330

265.5461, 0.2952,

 0.5130, 0.0000,

0.3614

1.0000

318.2908, 0.2963,
0.3594

■ 0.0000, 0.0000,
0.0000

■ 47.6982, 0.2807,
0.3884

■ 47.6982, 0.2807,
0.3884

■ 46.1164, 0.2750,
0.4062

■ 49.6076, 0.2876,
0.3718

■ 44.8368, 0.2707,
0.4248

■ 51.8567, 0.2952,
0.3565

■ 43.8397, 0.2681,
0.4440


■ 54.4638, 0.3034,
0.3426


■ 43.1002, 0.2676,
0.4631

■ 57.4445, 0.3119,
0.3302

■ 42.5891, 0.2690,
0.4817


■ 60.8131, 0.3204,
0.3191

 42.2754, 0.2716,
0.4976

 64.5835, 0.3288,
0.3093

 68.1892, 0.3347,
0.3005

 68.7481, 0.3274,
0.2910

 69.3381, 0.3203,
0.2818

Harmonies

Analogous

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



47.6982, 0.3295, 0.4173



47.6982, 0.2807, 0.3884



47.6982, 0.2424, 0.3399

Triad

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



47.6982, 0.2807, 0.3884



47.6982, 0.2486, 0.2490



47.6982, 0.4115, 0.3525

Complementary

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



47.6982, 0.2807, 0.3884



27.7140, 0.3648, 0.2772

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.



47.6982, 0.3866, 0.3130



47.6982, 0.2807, 0.3884



47.6982, 0.2896, 0.2559

Square

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



47.6982, 0.2807, 0.3884



47.6982, 0.2254, 0.2610



47.6982, 0.3405, 0.2787



47.6982, 0.4069, 0.3901

Rectangle

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



47.6982, 0.2807, 0.3884



47.6982, 0.2272, 0.3071



47.6982, 0.3405, 0.2787



47.6982, 0.4063, 0.3392

Sweetspot

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



47.7001, 0.2807, 0.3884



93.7261, 0.3024, 0.3442



49.9904, 0.3383, 0.4424



19.9276, 0.3013, 0.3460



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.



47.7001, 0.2807, 0.3884



80.1645, 0.2756, 0.4039



49.3330, 0.2570, 0.3288



11.9770, 0.3048, 0.3405



26.8980, 0.2709, 0.4952



1.2882, 0.2604, 0.4576

Inverse Universe

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



27.7140, 0.3648, 0.2772



41.0027, 0.3813, 0.2666



26.5523, 0.4164, 0.3293



10.7218, 0.3215, 0.3178



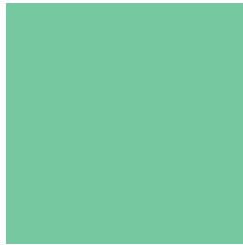
8.3822, 0.4989, 0.2522



0.4115, 0.4521, 0.2264

Previews

White Background



This preview shows how the Yxy color 47.6982, 0.2807, 0.3884 looks on a white background.

Color Contrast Check

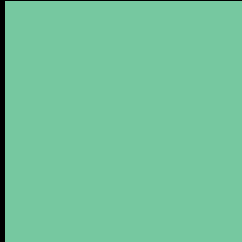
Large Text (above 18pt) WCAG AA × Fail

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 47.6982, 0.2807, 0.3884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

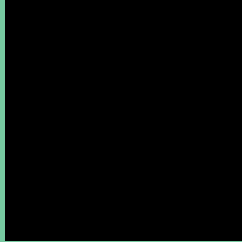
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6982, 0.2807, 0.3884

Background



This preview shows how black text looks on a background with the Yxy color 47.6982, 0.2807, 0.3884.



This preview shows how white text looks on a background with the Yxy color 47.6982, 0.2807, 0.3884.

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

47.6982, 0.2807, 0.3884

Protanopia

47.0277, 0.3479, 0.3693

Deuteranopia

47.0327, 0.3501, 0.3427



Tritanopia

47.4892, 0.2572, 0.3070

Trichromacy



Original Color

47.6982, 0.2807, 0.3884

Protanomaly

46.8353, 0.3203, 0.3774

Deuteranomaly

46.4562, 0.3215, 0.3587

Tritanomaly

47.6771, 0.2660, 0.3359

Monochromacy



Original Color

47.6982, 0.2807, 0.3884

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.9213, 0.2992, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6982, 0.2807, 0.3884 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(118, 200, 160)` looks like.

```
.text, #text, p{  
    color:rgb(118, 200, 160)  
}
```

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(118, 200, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 200, 160) }
```

Border

The CSS property to change the border of an element to Yxy 47.6982, 0.2807, 0.3884 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(118, 200, 160) }
```

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

```
.border{ border-color:rgb(118, 200, 160) }
```

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

Here you see how a box with a 4 pixel rgb(118, 200, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 200, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 200, 160);  
box-shadow:4px 4px 4px 4px rgb(118, 200,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6982, 0.2807, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 200, 160) }
```

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

```
.background{ background-color: rgb(118,  
200, 160) }
```

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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