

Converting Colors

$Y_{xy}(48.2473, 0.2571, 0.3288)$

Have a look what the booklet for
Yxy(48.2473, 0.2571, 0.3288)
contains.

Yxy(48.2473, 0.2571, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.2473, 0.2571, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	75C6C6
RGB	117, 198, 198
RGB Percent	46%, 78%, 78%
CMY	0.5411, 0.2235, 0.2234
CMYK	0.41, 0.00, 0.00, 0.22
HSL	180°, 42%, 62%
HSV	180°, 41%, 78%
XYZ	37.7262, 48.2473, 60.7640
YIQ	173.7810, -48.2760, -17.1720

Conversions

Conversions Part 2

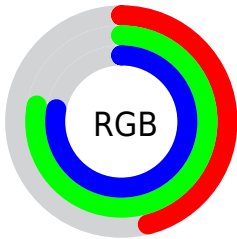
Format	Color
RYB	117, 158, 198
Decimal	7718598
CIELab	74.98, -24.70, -7.80
CIElCh	75, 25.904, 197.521
Yxy	48.2473, 0.2571, 0.3288
Android (android.graphics.Color)	4285908678 (0xFF75C6C6)
YUV	173.7810, 11.9400, -49.7969
Hunter-Lab	69.4603, -24.6061, -3.2448

Details

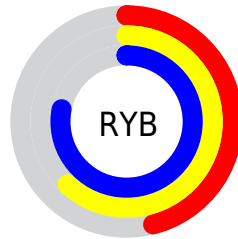
The Yxy color **48.2473, 0.2571, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.0248, 0.4160, 0.3293**, and the grayscale version is **42.1683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **22.9522, 0.2425, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **47.0167, 0.2471, 0.3288**, and if you desaturate by 10%, it is **49.7718, 0.2688, 0.3288**.

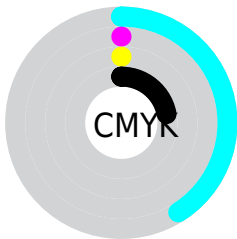
Distribution



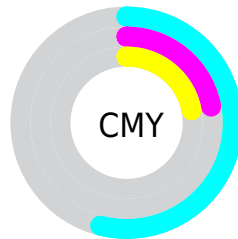
- Red (46%)
- Green (78%)
- Blue (78%)



- Red (46%)
- Yellow (62%)
- Blue (78%)



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2473, 0.2571, 0.3288 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 48.2473, 0.2571, 0.3288 by changing the saturation by 10% instead.


 48.2473, 0.2571,
0.3288

 48.2473, 0.2571,
0.3288


379.7715, 0.2843,
0.3294


 34.0228, 0.2505,
0.3285


 87.5725, 0.2668,
0.3291

 22.9111, 0.2422,
0.3280


 113.4419, 0.2705,
0.3292

 14.5279, 0.2313,
0.3272


 143.9618, 0.2737,
0.3293

 8.4887, 0.2165,
0.3258

179.5165, 0.2764,
0.3294

 4.4092, 0.1954,
0.3231

220.4905, 0.2788,
0.3294

 1.9050, 0.1632,
0.3171

267.2680, 0.2808,

 0.5514, 0.0000,

0.3294

0.3227

320.2336, 0.2827,
0.3294

0.0000, 0.0000,
0.0000

48.2473, 0.2571,
0.3288

48.2473, 0.2571,
0.3288

47.0167, 0.2471,
0.3288

49.7718, 0.2688,
0.3288

46.0558, 0.2390,
0.3287

51.6015, 0.2819,
0.3289

45.3461, 0.2327,
0.3287


53.7536, 0.2961,
0.3289

44.8640, 0.2284,
0.3287

56.2428, 0.3113,
0.3290

44.5816, 0.2258,
0.3287

59.0825, 0.3270,
0.3291

 44.4505, 0.2246,
0.3287

 62.2858, 0.3431,
0.3291

 65.7453, 0.3587,
0.3292

 65.7480, 0.3587,
0.3292

 65.7507, 0.3587,
0.3292

Harmonies

Analogous

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



48.2473, 0.2825, 0.3630



48.2473, 0.2571, 0.3288



48.2473, 0.2462, 0.2971

Triad

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



48.2473, 0.2571, 0.3288



48.2473, 0.3052, 0.2784



48.2473, 0.3765, 0.3796

Complementary

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



48.2473, 0.2571, 0.3288



26.0248, 0.4160, 0.3293

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.



48.2473, 0.3841, 0.3545



48.2473, 0.2571, 0.3288



48.2473, 0.3416, 0.2980

Square

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



48.2473, 0.2571, 0.3288



48.2473, 0.2728, 0.2705



48.2473, 0.3711, 0.3251



48.2473, 0.3515, 0.3928

Rectangle

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



48.2473, 0.2571, 0.3288



48.2473, 0.2481, 0.2819



48.2473, 0.3711, 0.3251



48.2473, 0.3812, 0.3722

Sweetspot

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



48.2492, 0.2571, 0.3288



94.6455, 0.2943, 0.3289



45.4665, 0.3069, 0.4537



20.1448, 0.2923, 0.3289



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.



48.2492, 0.2571, 0.3288



83.4661, 0.2482, 0.3288



32.1508, 0.2475, 0.2681



12.0670, 0.2984, 0.3290



28.8997, 0.2246, 0.3287



1.3686, 0.2246, 0.3287

Inverse Universe

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



28.8117, 0.3174, 0.2295



44.4562, 0.3183, 0.2104



37.5833, 0.3933, 0.3824



10.8166, 0.3138, 0.3062



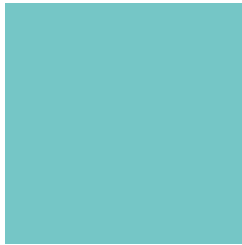
10.4574, 0.3210, 0.1542



0.4952, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 48.2473, 0.2571, 0.3288 looks on a white background.

Color Contrast Check

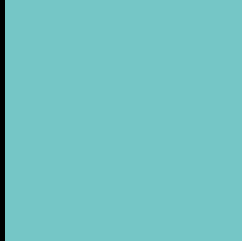
Large Text (above 18pt) WCAG AA × Fail

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 48.2473, 0.2571, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

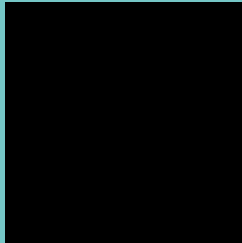
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

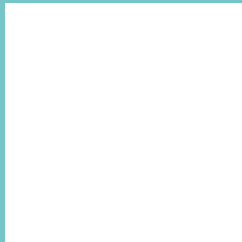
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2473, 0.2571, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 48.2473, 0.2571, 0.3288.

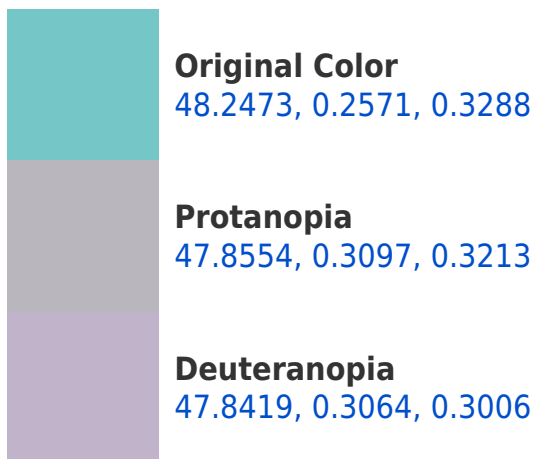


This preview shows how white text looks on a background with the Yxy color 48.2473, 0.2571, 0.3288.

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

48.2983, 0.2511, 0.3070

Trichromacy



Original Color

48.2473, 0.2571, 0.3288

Protanomaly

47.2458, 0.2876, 0.3236

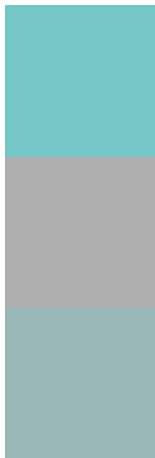
Deuteranomaly

47.3342, 0.2850, 0.3093

Tritanomaly

48.4306, 0.2535, 0.3150

Monochromacy



Original Color

48.2473, 0.2571, 0.3288

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.0582, 0.2883, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2473, 0.2571, 0.3288 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(117, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(117, 198, 198)  
}
```

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(117, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 198, 198) }
```

Border

The CSS property to change the border of an element to Yxy 48.2473, 0.2571, 0.3288 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(117, 198, 198) }
```

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

```
.border{ border-color:rgb(117, 198, 198) }
```

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

Here you see how a box with a 4 pixel rgb(117, 198, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(117, 198,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2473, 0.2571, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 198, 198) }
```

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

```
.background{ background-color: rgb(117,  
198, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor