

Converting Colors

$Y_{xy}(48.1000, 0.2625, 0.3397)$

Have a look what the booklet for
Yxy(48.1000, 0.2625, 0.3397)
contains.

Yxy(48.0717, 0.2622, 0.3388)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.0717, 0.2622, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	77C6BF
RGB	119, 198, 191
RGB Percent	47%, 78%, 75%
CMY	0.5335, 0.2235, 0.2509
CMYK	0.40, 0.00, 0.04, 0.22
HSL	175°, 41%, 62%
HSV	175°, 40%, 78%
XYZ	37.2031, 48.0717, 56.6134
YIQ	173.5810, -44.8370, -18.9250

Conversions

Conversions Part 2

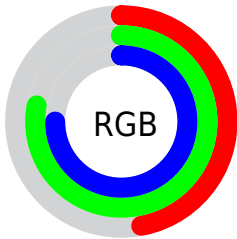
Format	Color
RYB	119, 160, 198
Decimal	7849663
CIELab	74.87, -25.93, -4.15
CIELCh	75, 26.262, 189.094
Yxy	48.0717, 0.2622, 0.3388
Android (android.graphics.Color)	4286039743 (0xFF77C6BF)
YUV	173.5810, 8.5876, -47.8675
Hunter-Lab	69.3338, -25.5546, 0.1213

Details

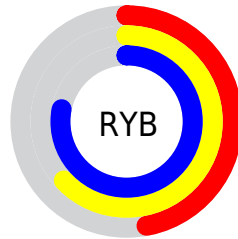
The Yxy color **48.0717, 0.2622, 0.3388** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.6985, 0.4032, 0.3199**, and the grayscale version is **42.0714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3494, 0.2714, 0.3376**, and **22.8715, 0.2484, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **46.7393, 0.2527, 0.3417**, and if you desaturate by 10%, it is **49.7007, 0.2732, 0.3361**.

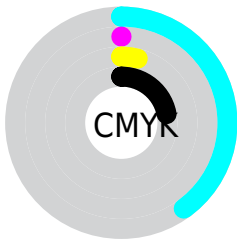
Distribution



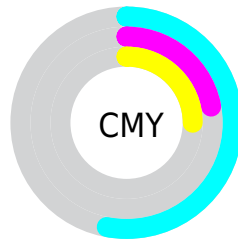
- Red (47%)
- Green (78%)
- Blue (75%)



- Red (47%)
- Yellow (63%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)




- Cyan (53%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0717, 0.2622, 0.3388 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 48.0717, 0.2622, 0.3388 by changing the saturation by 10% instead.

 48.0717, 0.2622,
0.3388


 48.0717, 0.2622,
0.3388


379.0763, 0.2870,
0.3343

 33.8837, 0.2561,
0.3398

 87.3111, 0.2711,
0.3372

 22.8042, 0.2484,
0.3411


 113.1314, 0.2745,
0.3366

 14.4490, 0.2383,
0.3426


 143.5977, 0.2774,
0.3361

 8.4336, 0.2245,
0.3445

179.0947, 0.2799,
0.3356

 4.3737, 0.2045,
0.3469

220.0067, 0.2820,
0.3352

 1.8847, 0.1734,
0.3497

266.7180, 0.2839,

 0.5392, 0.0000,

0.3349

0.3806

319.6130, 0.2856,
0.3346

0.0000, 0.0000,
0.0000

48.0717, 0.2622,
0.3388

48.0717, 0.2622,
0.3388

46.7393, 0.2527,
0.3417

49.7007, 0.2732,
0.3361

45.6794, 0.2450,
0.3446

51.6372, 0.2855,
0.3335

44.8736, 0.2391,
0.3476


53.8986, 0.2988,
0.3312


44.2989, 0.2352,
0.3506


56.4992, 0.3128,
0.3290

43.9277, 0.2331,
0.3536


59.4527, 0.3273,
0.3270

 43.7083, 0.2324,
0.3566

 62.7718, 0.3419,
0.3253

 43.7066, 0.2324,
0.3566

 65.9771, 0.3545,
0.3237

 66.0613, 0.3531,
0.3219

 66.1465, 0.3517,
0.3201

Harmonies

Analogous

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



48.0717, 0.2913, 0.3721



48.0717, 0.2622, 0.3388



48.0717, 0.2467, 0.3047

Triad

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



48.0717, 0.2622, 0.3388



48.0717, 0.2950, 0.2741



48.0717, 0.3816, 0.3740

Complementary

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



48.0717, 0.2622, 0.3388



26.6985, 0.4032, 0.3199

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.



48.0717, 0.3835, 0.3466



48.0717, 0.2622, 0.3388



48.0717, 0.3319, 0.2910

Square

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



48.0717, 0.2622, 0.3388



48.0717, 0.2648, 0.2699



48.0717, 0.3650, 0.3168



48.0717, 0.3605, 0.3917

Rectangle

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



48.0717, 0.2622, 0.3388



48.0717, 0.2455, 0.2869



48.0717, 0.3650, 0.3168



48.0717, 0.3846, 0.3656

Sweetspot

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



48.0736, 0.2622, 0.3388



94.4780, 0.2957, 0.3317



46.2252, 0.3127, 0.4481



20.1051, 0.2939, 0.3320



0.0000, 0.0000, 0.0000



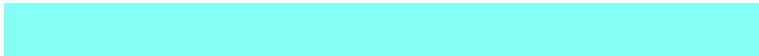
21.4041, 0.3127, 0.3290

Same Dimension

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



48.0736, 0.2622, 0.3388



83.0156, 0.2538, 0.3413



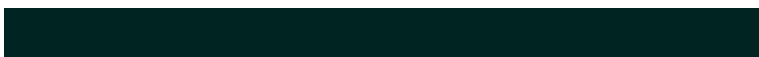
35.4126, 0.2510, 0.2821



12.0507, 0.2995, 0.3310



28.4275, 0.2323, 0.3562



1.3509, 0.2306, 0.3500

Inverse Universe

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



26.6985, 0.4032, 0.3199



39.9222, 0.4349, 0.3182



35.3377, 0.3950, 0.3710



10.6519, 0.3276, 0.3270



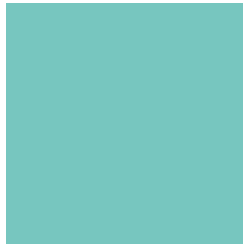
7.8406, 0.6290, 0.3238



0.3766, 0.5943, 0.3048

Previews

White Background



This preview shows how the Yxy color 48.0717, 0.2622, 0.3388 looks on a white background.

Color Contrast Check

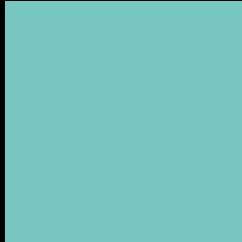
Large Text (above 18pt) WCAG AA × Fail

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 48.0717, 0.2622, 0.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

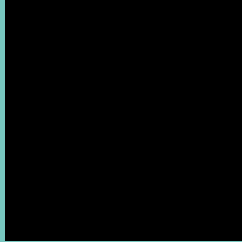
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

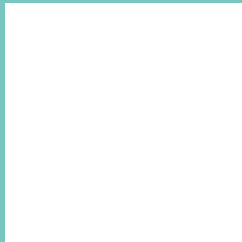
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0717, 0.2622, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 48.0717, 0.2622, 0.3388.

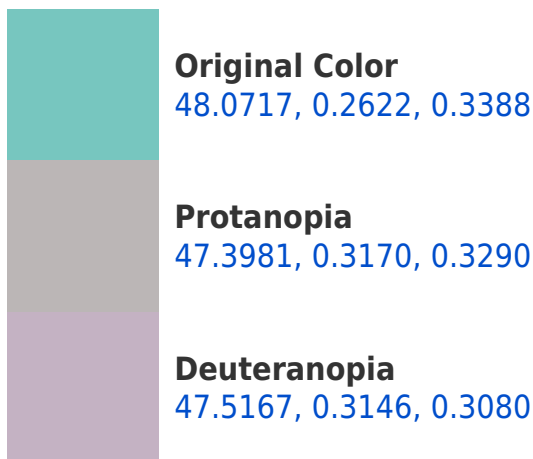


This preview shows how white text looks on a background with the Yxy color 48.0717, 0.2622, 0.3388.

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

48.0184, 0.2531, 0.3070

Trichromacy



Original Color

48.0717, 0.2622, 0.3388

Protanomaly

47.1506, 0.2941, 0.3330

Deuteranomaly

46.9178, 0.2922, 0.3171

Tritanomaly

47.9771, 0.2561, 0.3177

Monochromacy



Original Color

48.0717, 0.2622, 0.3388

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.0323, 0.2913, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0717, 0.2622, 0.3388 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(119, 198, 191)` looks like.

```
.text, #text, p{  
    color:rgb(119, 198, 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(119, 198, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 198, 191) }
```

Border

The CSS property to change the border of an element to Yxy 48.0717, 0.2622, 0.3388 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(119, 198, 191) }
```

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

```
.border{ border-color:rgb(119, 198, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 198, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 198, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 198, 191);  
box-shadow:4px 4px 4px 4px rgb(119, 198,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0717, 0.2622, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 198, 191) }
```

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

```
.background{ background-color: rgb(119,  
198, 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](#).

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