

Converting Colors

$Y_{xy}(48.5010, 0.2628, 0.3313)$

Have a look what the booklet for
Yxy(48.5010, 0.2628, 0.3313)
contains.

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Color

Yxy(48.7337, 0.2628, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	7DC6C4
RGB	125, 198, 196
RGB Percent	49%, 78%, 77%
CMY	0.5096, 0.2236, 0.2313
CMYK	0.37, 0.00, 0.01, 0.22
HSL	178°, 39%, 63%
HSV	178°, 37%, 78%
XYZ	38.6225, 48.7337, 59.6091
YIQ	175.9450, -42.8660, -16.0980

Conversions

Conversions Part 2

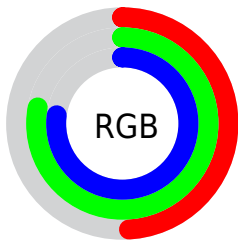
Format	Color
RYB	125, 162, 198
Decimal	8242884
CIELab	75.29, -23.13, -6.22
CIELCh	75, 23.951, 195.060
Yxy	48.7337, 0.2628, 0.3316
Android (android.graphics.Color)	4286432964 (0xFF7DC6C4)
YUV	175.9450, 9.8871, -44.6788
Hunter-Lab	69.8095, -23.4106, -1.7600

Details

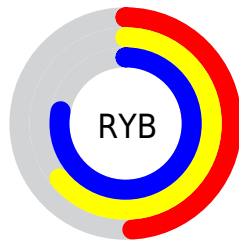
The Yxy color **48.7337, 0.2628, 0.3316** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.2175, 0.3989, 0.3266**, and the grayscale version is **43.3572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4356, 0.2715, 0.3310**, and **23.2391, 0.2499, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **47.3660, 0.2523, 0.3324**, and if you desaturate by 10%, it is **50.4023, 0.2748, 0.3308**.

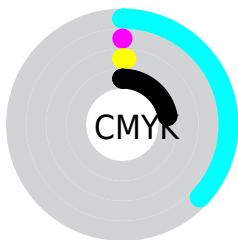
Distribution



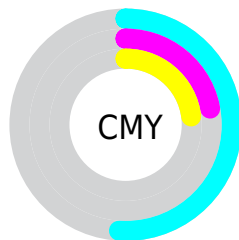
- Red (49%)
- Green (78%)
- Blue (77%)



- Red (49%)
- Yellow (64%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)




- Cyan (51%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7337, 0.2628, 0.3316 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 48.7337, 0.2628, 0.3316 by changing the saturation by 10% instead.

 48.7337, 0.2628,
0.3316


 48.7337, 0.2628,
0.3316

381.6930, 0.2872,
0.3307


 34.4083, 0.2569,
0.3317


 88.2958, 0.2716,
0.3314

 23.2074, 0.2493,
0.3317

 114.3013, 0.2749,
0.3313

 14.7467, 0.2395,
0.3317


 144.9689, 0.2777,
0.3312

 8.6418, 0.2261,
0.3314

180.6831, 0.2801,
0.3311

 4.5083, 0.2069,
0.3305

221.8282, 0.2823,
0.3310

 1.9618, 0.1771,
0.3277

268.7886, 0.2841,

 0.5851, 0.0000,

0.3309

0.3522

321.9487, 0.2858,
0.3308

0.0000, 0.0000,
0.0000

48.7337, 0.2628,
0.3316

48.7337, 0.2628,
0.3316

47.3660, 0.2523,
0.3324

50.4023, 0.2748,
0.3308

46.2759, 0.2436,
0.3333

52.3825, 0.2881,
0.3301

45.4454, 0.2368,
0.3341

54.6911, 0.3025,
0.3294


44.8526, 0.2318,
0.3350


57.3423, 0.3175,
0.3288

44.4716, 0.2287,
0.3359

60.3495, 0.3330,
0.3283


 44.2677, 0.2273,
0.3367

 63.7251, 0.3487,
0.3278

 44.2199, 0.2270,
0.3370

 65.8045, 0.3573,
0.3273

 65.8295, 0.3568,
0.3267

 65.8546, 0.3564,
0.3262

Harmonies

Analogous

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



48.7337, 0.2873, 0.3626



48.7337, 0.2628, 0.3316



48.7337, 0.2515, 0.3018

Triad

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



48.7337, 0.2628, 0.3316



48.7337, 0.3032, 0.2811



48.7337, 0.3728, 0.3743

Complementary

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



48.7337, 0.2628, 0.3316



28.2175, 0.3989, 0.3266

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.



48.7337, 0.3781, 0.3506



48.7337, 0.2628, 0.3316



48.7337, 0.3368, 0.2985

Square

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



48.7337, 0.2628, 0.3316



48.7337, 0.2738, 0.2748



48.7337, 0.3648, 0.3233



48.7337, 0.3509, 0.3873

Rectangle

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



48.7337, 0.2628, 0.3316



48.7337, 0.2524, 0.2870



48.7337, 0.3648, 0.3233



48.7337, 0.3766, 0.3672

Sweetspot

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



48.7356, 0.2628, 0.3316



95.0141, 0.2962, 0.3297



46.4163, 0.3093, 0.4388



20.2165, 0.2942, 0.3298



0.0000, 0.0000, 0.0000



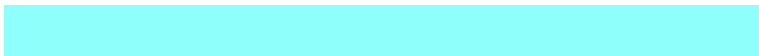
21.4041, 0.3127, 0.3290

Same Dimension

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



48.7356, 0.2628, 0.3316



84.3682, 0.2545, 0.3322



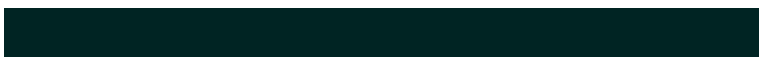
34.9748, 0.2546, 0.2789



12.0624, 0.2988, 0.3296



28.7615, 0.2269, 0.3369



1.3635, 0.2264, 0.3351

Inverse Universe

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



28.2175, 0.3989, 0.3266



42.9149, 0.4272, 0.3262



38.3142, 0.3846, 0.3740



10.6415, 0.3285, 0.3284



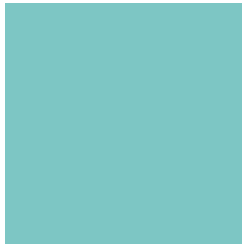
7.8173, 0.6368, 0.3281



0.3718, 0.6251, 0.3217

Previews

White Background



This preview shows how the Yxy color 48.7337, 0.2628, 0.3316 looks on a white background.

Color Contrast Check

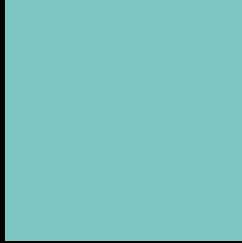
Large Text (above 18pt) WCAG AA × Fail

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 48.7337, 0.2628, 0.3316 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

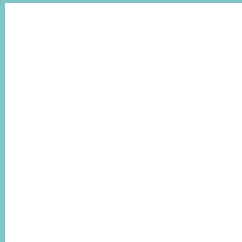
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7337, 0.2628, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 48.7337, 0.2628, 0.3316.

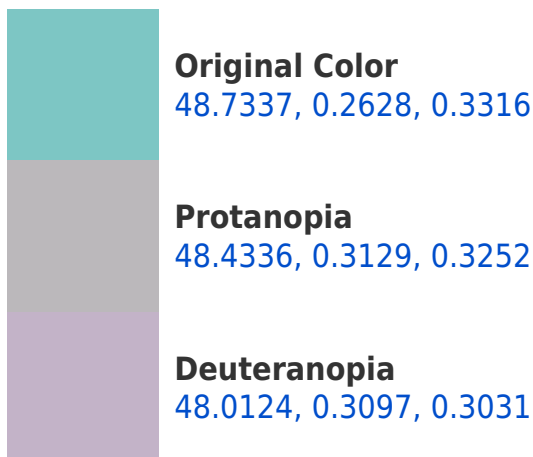


This preview shows how white text looks on a background with the Yxy color 48.7337, 0.2628, 0.3316.

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

48.8501, 0.2561, 0.3086

Trichromacy



Original Color

48.7337, 0.2628, 0.3316

Protanomaly

48.0054, 0.2921, 0.3276

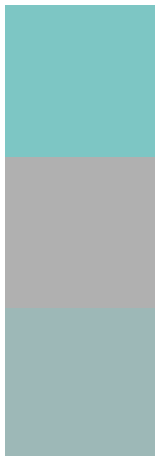
Deuteranomaly

47.7874, 0.2902, 0.3120

Tritanomaly

48.9779, 0.2586, 0.3165

Monochromacy



Original Color

48.7337, 0.2628, 0.3316

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.8680, 0.2915, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7337, 0.2628, 0.3316 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(125, 198, 196)` looks like.

```
.text, #text, p{  
    color:rgb(125, 198, 196)  
}
```

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(125, 198, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 198, 196) }
```

Border

The CSS property to change the border of an element to Yxy 48.7337, 0.2628, 0.3316 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(125, 198, 196) }
```

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

```
.border{ border-color:rgb(125, 198, 196) }
```

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

Here you see how a box with a 4 pixel rgb(125, 198, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 198, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 198, 196);  
box-shadow:4px 4px 4px 4px rgb(125, 198,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7337, 0.2628, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 198, 196) }
```

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

```
.background{ background-color: rgb(125,  
198, 196) }
```

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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