

Converting Colors

$Y_{xy}(48.8580, 0.2302, 0.3346)$

Have a look what the booklet for
Yxy(48.8580, 0.2302, 0.3346)
contains.

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Color

Yxy(48.8580, 0.2302, 0.3346)

Conversions

Conversions Part 1

Format	Color
Hex	28CECA
RGB	40, 206, 202
RGB Percent	16%, 81%, 79%
CMY	0.8424, 0.1922, 0.2078
CMYK	0.80, 0.00, 0.02, 0.19
HSL	179°, 67%, 48%
HSV	179°, 80%, 81%
XYZ	33.6136, 48.8580, 63.5475
YIQ	155.9100, -97.6520, -36.4360

Conversions

Conversions Part 2

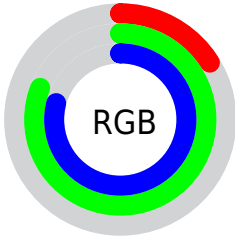
Format	Color
RYB	40, 124, 206
Decimal	2674378
CIELab	75.36, -40.22, -9.62
CIELCh	75, 41.353, 193.447
Yxy	48.8580, 0.2302, 0.3346
Android (android.graphics.Color)	4280864458 (0xFF28CECA)
YUV	155.9100, 22.7224, -101.6531
Hunter-Lab	69.8985, -36.4832, -4.9740

Details

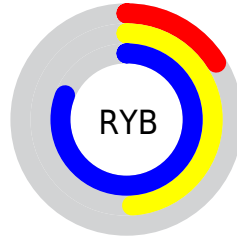
The Yxy color **48.8580, 0.2302, 0.3346** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted cyan. A complement of this color would be **14.8338, 0.5880, 0.3270**, and the grayscale version is **33.1574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **24.2713, 0.2263, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **48.5261, 0.2278, 0.3354**, and if you desaturate by 10%, it is **49.4136, 0.2344, 0.3338**.

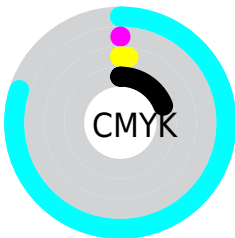
Distribution



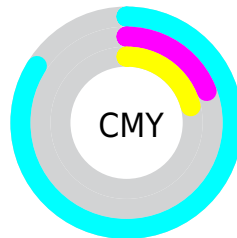
- Red (16%)
- Green (81%)
- Blue (79%)



- Red (16%)
- Yellow (49%)
- Blue (81%)



- Cyan (80%)
- Magenta (0%)
- Yellow (2%)
- Black (19%)





- Cyan (84%)
- Magenta (19%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8580, 0.2302, 0.3346 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 48.8580, 0.2302, 0.3346 by changing the saturation by 10% instead.

 48.8580, 0.2302,
0.3346


 48.8580, 0.2302,
0.3346


382.1830, 0.2701,
0.3329


 34.5069, 0.2207,
0.3347


 88.4805, 0.2443,
0.3343


 23.2832, 0.2089,
0.3346


 114.5207, 0.2498,
0.3340


 14.8028, 0.1936,
0.3341


 145.2260, 0.2544,
0.3338

 8.6811, 0.1734,
0.3329

 180.9808, 0.2584,
0.3336

 4.5338, 0.1456,
0.3297

 222.1695, 0.2619,
0.3334

 1.9764, 0.1036,
0.3226

269.1765, 0.2649,

 0.5937, 0.0000,

0.3333

0.3033

322.3862, 0.2676,
0.3331

■ 0.0000, 0.0000,
0.0000

■ 48.8580, 0.2302,
0.3346

■ 48.8580, 0.2302,
0.3346

■ 48.5261, 0.2278,
0.3354

■ 49.4136, 0.2344,
0.3338

■ 48.3596, 0.2267,
0.3361

■ 50.2182, 0.2406,
0.3331

■ 51.2991, 0.2487,
0.3323

■ 52.6792, 0.2585,
0.3316

■ 54.3785, 0.2701,
0.3309

■ 56.4156, 0.2830,
0.3302

■ 58.8076, 0.2971,
0.3296

■ 61.5703, 0.3120,
0.3290

■ 64.7188, 0.3274,
0.3285

Harmonies

Analogous

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



48.8580, 0.2707, 0.3916



48.8580, 0.2302, 0.3346



48.8580, 0.2116, 0.2824

Triad

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



48.8580, 0.2302, 0.3346



48.8580, 0.2922, 0.2494



48.8580, 0.4162, 0.4009

Complementary

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



48.8580, 0.2302, 0.3346



14.8338, 0.5880, 0.3270

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.



48.8580, 0.4256, 0.3592



48.8580, 0.2302, 0.3346



48.8580, 0.3502, 0.2763

Square

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



48.8580, 0.2302, 0.3346



48.8580, 0.2447, 0.2395



48.8580, 0.4009, 0.3151



48.8580, 0.3784, 0.4288

Rectangle

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



48.8580, 0.2302, 0.3346



48.8580, 0.2124, 0.2582



48.8580, 0.4009, 0.3151



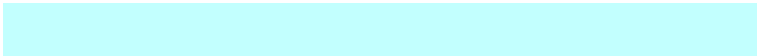
48.8580, 0.4230, 0.3878

Sweetspot

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



48.8598, 0.2302, 0.3346



90.0888, 0.2779, 0.3304



44.8684, 0.3026, 0.5761



19.0306, 0.2733, 0.3307



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.



48.8598, 0.2302, 0.3346



78.4134, 0.2269, 0.3360



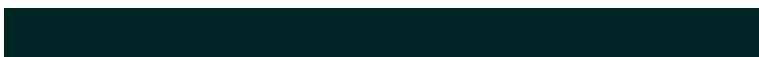
20.5098, 0.1950, 0.2018



12.7222, 0.2987, 0.3295



29.7823, 0.2267, 0.3360



1.5379, 0.2262, 0.3345

Inverse Universe

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



14.8338, 0.5880, 0.3270



21.4566, 0.6348, 0.3290



26.1289, 0.5060, 0.4098



11.2180, 0.3286, 0.3285



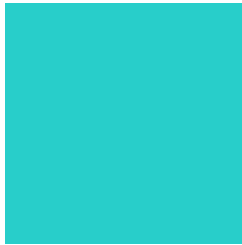
8.0887, 0.6372, 0.3284



0.4188, 0.6274, 0.3230

Previews

White Background



This preview shows how the Yxy color 48.8580, 0.2302, 0.3346 looks on a white background.

Color Contrast Check

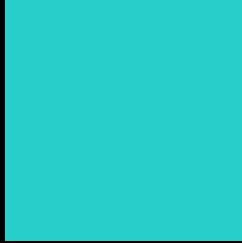
Large Text (above 18pt) WCAG AA × Fail

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 48.8580, 0.2302, 0.3346 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

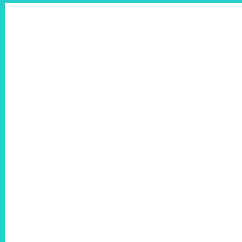
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8580, 0.2302, 0.3346

Background



This preview shows how black text looks on a background with the Yxy color 48.8580, 0.2302, 0.3346.

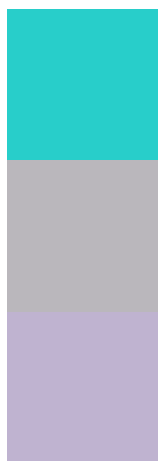


This preview shows how white text looks on a background with the Yxy color 48.8580, 0.2302, 0.3346.

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

48.8580, 0.2302, 0.3346

Protanopia

47.9369, 0.3113, 0.3226

Deuteranopia

47.8706, 0.3002, 0.2933



Tritanopia

48.7199, 0.2246, 0.3048

Trichromacy



Original Color

48.8580, 0.2302, 0.3346



Protanomaly

46.0984, 0.2683, 0.3261



Deuteranomaly

46.0857, 0.2619, 0.3056



Tritanomaly

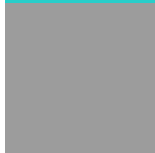
48.6679, 0.2266, 0.3158

Monochromacy



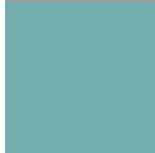
Original Color

48.8580, 0.2302, 0.3346



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.8666, 0.2655, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8580, 0.2302, 0.3346 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(40, 206, 202)` looks like.

```
.text, #text, p{  
    color:rgb(40, 206, 202)  
}
```

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(40, 206, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 206, 202) }
```

Border

The CSS property to change the border of an element to Yxy 48.8580, 0.2302, 0.3346 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(40, 206, 202) }
```

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

```
.border{ border-color:rgb(40, 206, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 206, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 206, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 206, 202);  
box-shadow:4px 4px 4px 4px rgb(40, 206,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8580, 0.2302, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 206, 202) }
```

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

```
.background{ background-color: rgb(40, 206,  
202) }
```

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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