

Converting Colors

$Y_{xy}(48.5138, 0.2272, 0.3048)$

Have a look what the booklet for
Yxy(48.5138, 0.2272, 0.3048)
contains.

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Color

Yxy(48.5138, 0.2272, 0.3048)

Conversions

Conversions Part 1

Format	Color
Hex	42CADB
RGB	66, 202, 219
RGB Percent	26%, 79%, 86%
CMY	0.7406, 0.2079, 0.1411
CMYK	0.70, 0.08, 0.00, 0.14
HSL	187°, 68%, 56%
HSV	187°, 70%, 86%
XYZ	36.1625, 48.5138, 74.4897
YIQ	163.2740, -86.5130, -23.5450

Conversions

Conversions Part 2

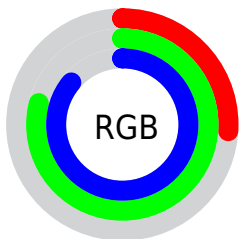
Format	Color
RYB	66, 138, 219
Decimal	4377307
CIELab	75.15, -30.57, -19.08
CIELCh	75, 36.035, 211.964
Yxy	48.5138, 0.2272, 0.3048
Android (android.graphics.Color)	4282567387 (0xFF42CADB)
YUV	163.2740, 27.4729, -85.3093
Hunter-Lab	69.6518, -29.2154, -14.6518

Details

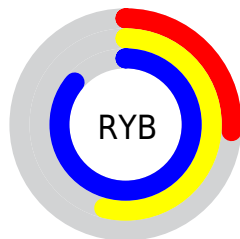
The Yxy color **48.5138, 0.2272, 0.3048** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.6724, 0.5323, 0.3463**, and the grayscale version is **36.6805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **23.5478, 0.2157, 0.2964** is the 20% darker color. If you saturate the color by 10%, you get **46.7572, 0.2213, 0.3009**, and if you desaturate by 10%, it is **50.5834, 0.2350, 0.3087**.

Distribution



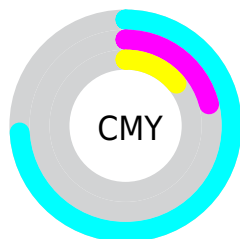
- Red (26%)
- Green (79%)
- Blue (86%)



- Red (26%)
- Yellow (54%)
- Blue (86%)



- Cyan (70%)
- Magenta (8%)
- Yellow (0%)
- Black (14%)





- Cyan (74%)
- Magenta (21%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5138, 0.2272, 0.3048 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 48.5138, 0.2272, 0.3048 by changing the saturation by 10% instead.


 48.5138, 0.2272,
0.3048


 48.5138, 0.2272,
0.3048

380.8251, 0.2682,
0.3181


 34.2340, 0.2176,
0.3012


 87.9689, 0.2416,
0.3099


 23.0734, 0.2056,
0.2964


 113.9130, 0.2472,
0.3117

 14.6477, 0.1903,
0.2899


 144.5139, 0.2520,
0.3132

 8.5725, 0.1703,
0.2804

 180.1560, 0.2561,
0.3145

 4.4634, 0.1432,
0.2657

221.2238, 0.2597,
0.3156

 1.9360, 0.1055,
0.2411

268.1017, 0.2628,

 0.5699, 0.0000,

0.3165

0.1964

321.1740, 0.2657,
0.3174

0.0000, 0.0000,
0.0000

48.5138, 0.2272,
0.3048

48.5138, 0.2272,
0.3048

46.7572, 0.2213,
0.3009

50.5834, 0.2350,
0.3087

45.2728, 0.2173,
0.2970

52.9904, 0.2447,
0.3125

44.0012, 0.2148,
0.2932

55.7628, 0.2561,
0.3162

43.9763, 0.2148,
0.2931

58.9241, 0.2689,
0.3198

62.4956, 0.2829,
0.3231

66.4972, 0.2977,
0.3262

70.9474, 0.3130,
0.3291

75.8635, 0.3286,
0.3316

79.6602, 0.3383,
0.3340

Harmonies

Analogous

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



48.5138, 0.2520, 0.3537



48.5138, 0.2272, 0.3048



48.5138, 0.2235, 0.2684

Triad

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



48.5138, 0.2272, 0.3048



48.5138, 0.3262, 0.2717



48.5138, 0.3858, 0.4098

Complementary

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



48.5138, 0.2272, 0.3048



21.6724, 0.5323, 0.3463

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.



48.5138, 0.4100, 0.3800



48.5138, 0.2272, 0.3048



48.5138, 0.3747, 0.3030

Square

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



48.5138, 0.2272, 0.3048



48.5138, 0.2773, 0.2531



48.5138, 0.4064, 0.3415



48.5138, 0.3429, 0.4188

Rectangle

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



48.5138, 0.2272, 0.3048



48.5138, 0.2329, 0.2547



48.5138, 0.4064, 0.3415



48.5138, 0.3965, 0.4016

Sweetspot

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



48.5156, 0.2272, 0.3048



87.4725, 0.2809, 0.3227



52.4381, 0.2969, 0.5351



18.4144, 0.2769, 0.3217



0.0000, 0.0000, 0.0000



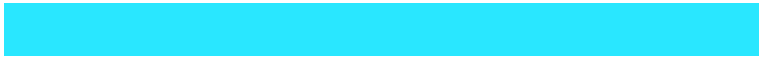
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5156, 0.2272, 0.3048



64.9160, 0.2191, 0.2990



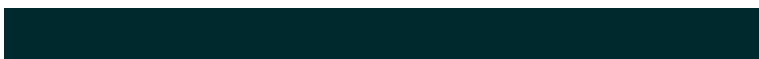
21.5347, 0.1985, 0.1886



14.5688, 0.2982, 0.3263



26.1711, 0.2149, 0.2937



1.7676, 0.2167, 0.3000

Inverse Universe

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



23.2409, 0.3395, 0.1886



28.6094, 0.3457, 0.1752



39.8685, 0.4565, 0.4291



13.2486, 0.3155, 0.3085



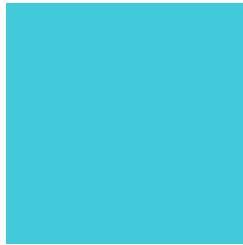
11.2658, 0.3510, 0.1707



0.7371, 0.3454, 0.1677

Previews

White Background



This preview shows how the Yxy color 48.5138, 0.2272, 0.3048 looks on a white background.

Color Contrast Check

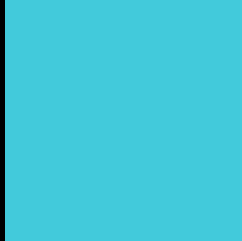
Large Text (above 18pt) WCAG AA × Fail

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 48.5138, 0.2272, 0.3048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

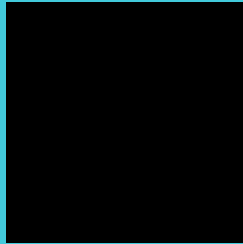
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5138, 0.2272, 0.3048

Background



This preview shows how black text looks on a background with the Yxy color 48.5138, 0.2272, 0.3048.

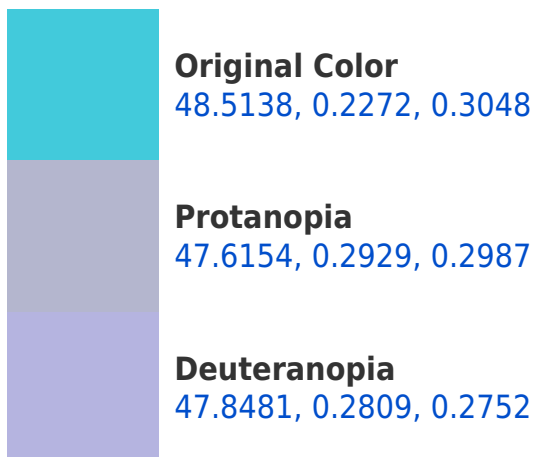


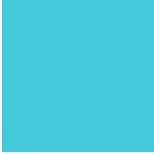
This preview shows how white text looks on a background with the Yxy color 48.5138, 0.2272, 0.3048.

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

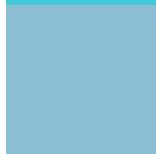
48.4613, 0.2276, 0.3062

Trichromacy



Original Color

48.5138, 0.2272, 0.3048



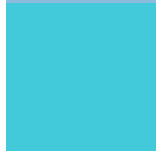
Protanomaly

46.5873, 0.2608, 0.2993



Deuteranomaly

46.7293, 0.2542, 0.2841



Tritanomaly

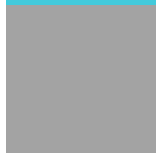
48.4613, 0.2276, 0.3062

Monochromacy



Original Color

48.5138, 0.2272, 0.3048



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.4524, 0.2691, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5138, 0.2272, 0.3048 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(66, 202, 219)` looks like.

```
.text, #text, p{  
    color:rgb(66, 202, 219)  
}
```

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(66, 202, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 202, 219) }
```

Border

The CSS property to change the border of an element to Yxy 48.5138, 0.2272, 0.3048 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(66, 202, 219) }
```

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

```
.border{ border-color:rgb(66, 202, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 202, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 202, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 202, 219);  
box-shadow:4px 4px 4px 4px rgb(66, 202,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5138, 0.2272, 0.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 202, 219) }
```

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

```
.background{ background-color: rgb(66, 202,  
219) }
```

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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