

Converting Colors

$Y_{xy}(44.9752, 0.2218, 0.3025)$

Have a look what the booklet for
Yxy(44.9752, 0.2218, 0.3025)
contains.

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Color

Yxy(44.8485, 0.2217, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	2BC4D6
RGB	43, 196, 214
RGB Percent	17%, 77%, 84%
CMY	0.8319, 0.2313, 0.1608
CMYK	0.80, 0.08, 0.00, 0.16
HSL	186°, 68%, 50%
HSV	186°, 80%, 84%
XYZ	32.8691, 44.8485, 70.5419
YIQ	152.3050, -96.9660, -26.8380

Conversions

Conversions Part 2

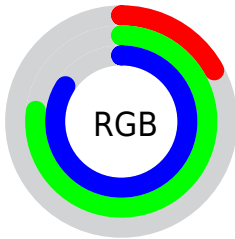
Format	Color
R _Y B	43, 124, 214
Decimal	2868438
CIE Lab	72.79, -31.77, -19.97
CIE LCh	73, 37.522, 212.153
Yxy	44.8485, 0.2217, 0.3025
Android (android.graphics.Color)	4281058518 (0xFF2BC4D6)
YUV	152.3050, 30.4156, -95.8605
Hunter-Lab	66.9690, -29.5860, -15.5749

Details

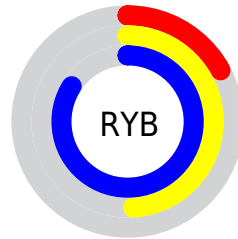
The Yxy color **44.8485, 0.2217, 0.3025** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.7921, 0.5763, 0.3438**, and the grayscale version is **31.4200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3925, 0.2438, 0.3265**, and **21.8492, 0.2154, 0.2954** is the 20% darker color. If you saturate the color by 10%, you get **43.4966, 0.2178, 0.2989**, and if you desaturate by 10%, it is **46.4610, 0.2275, 0.3062**.

Distribution



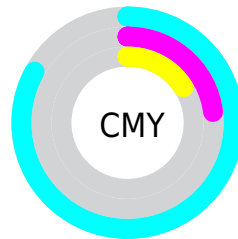
- Red (17%)
- Green (77%)
- Blue (84%)



- Red (17%)
- Yellow (49%)
- Blue (84%)



- Cyan (80%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)





- Cyan (83%)
- Magenta (23%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8485, 0.2217, 0.3025 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 44.8485, 0.2217, 0.3025 by changing the saturation by 10% instead.

 44.8485, 0.2217,
0.3025


 44.8485, 0.2217,
0.3025


366.1596, 0.2658,
0.3172

 31.3381, 0.2113,
0.2984

 82.4930, 0.2373,
0.3082


 20.8564, 0.1982,
0.2930


 107.3959, 0.2433,
0.3102

 13.0191, 0.1815,
0.2854

 136.8652, 0.2484,
0.3119

 7.4417, 0.1596,
0.2744

 171.2851, 0.2528,
0.3133

 3.7398, 0.1299,
0.2571

 211.0401, 0.2567,
0.3145

 1.5291, 0.0853,
0.2286

256.5146, 0.2601,

 0.3091, 0.0000,

0.3156

0.1365

308.0930, 0.2631,
0.3165

■ 0.0000, 0.0000,
0.0000

■ 44.8485, 0.2217,
0.3025

■ 44.8485, 0.2217,
0.3025

■ 43.4966, 0.2178,
0.2989

■ 46.4610, 0.2275,
0.3062

■ 42.3402, 0.2154,
0.2953

■ 48.3627, 0.2352,
0.3098

■ 42.3366, 0.2154,
0.2953

■ 50.5832, 0.2448,
0.3134

■ 53.1475, 0.2561,
0.3169

■ 56.0776, 0.2688,
0.3202

■ 59.3938, 0.2827,
0.3234

■ 63.1149, 0.2974,
0.3263

■ 67.2584, 0.3128,
0.3290

■ 71.8407, 0.3284,
0.3314

Harmonies

Analogous

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



44.8485, 0.2477, 0.3550



44.8485, 0.2217, 0.3025



44.8485, 0.2181, 0.2641

Triad

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



44.8485, 0.2217, 0.3025



44.8485, 0.3273, 0.2683



44.8485, 0.3902, 0.4152

Complementary

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



44.8485, 0.2217, 0.3025



17.7921, 0.5763, 0.3438

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.



44.8485, 0.4165, 0.3831



44.8485, 0.2217, 0.3025



44.8485, 0.3793, 0.3015

Square

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



44.8485, 0.2217, 0.3025



44.8485, 0.2751, 0.2485



44.8485, 0.4130, 0.3421



44.8485, 0.3442, 0.4253

Rectangle

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



44.8485, 0.2217, 0.3025



44.8485, 0.2280, 0.2498



44.8485, 0.4130, 0.3421



44.8485, 0.4018, 0.4062

Sweetspot

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



44.8501, 0.2217, 0.3025



86.1465, 0.2766, 0.3221



48.9301, 0.2967, 0.5615



18.0639, 0.2717, 0.3209



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.



44.8501, 0.2217, 0.3025



63.4714, 0.2161, 0.2964



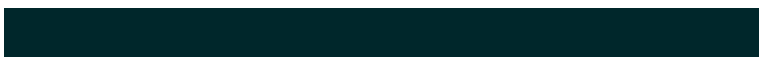
16.8049, 0.1857, 0.1655



13.8744, 0.2983, 0.3265



25.6808, 0.2155, 0.2958



1.6145, 0.2172, 0.3020

Inverse Universe

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



20.0004, 0.3424, 0.1776



27.1534, 0.3485, 0.1704



34.8882, 0.4782, 0.4348



12.6092, 0.3154, 0.3084



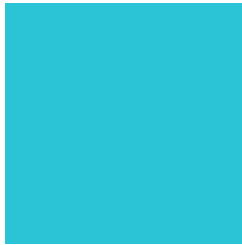
10.9373, 0.3491, 0.1697



0.6663, 0.3436, 0.1667

Previews

White Background



This preview shows how the Yxy color 44.8485, 0.2217, 0.3025 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 44.8485, 0.2217, 0.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

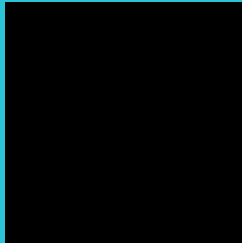
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8485, 0.2217, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 44.8485, 0.2217, 0.3025.



This preview shows how white text looks on a background with the Yxy color 44.8485, 0.2217, 0.3025.

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

44.8485, 0.2217, 0.3025

Protanopia

44.1520, 0.2907, 0.2964

Deuteranopia

44.2708, 0.2777, 0.2723



Tritanopia

44.7047, 0.2222, 0.3053

Trichromacy



Original Color

44.8485, 0.2217, 0.3025

Protanomaly

42.7588, 0.2544, 0.2966

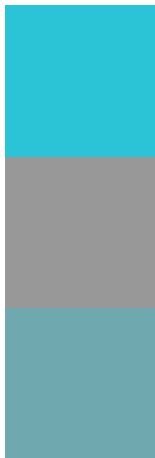
Deuteranomaly

42.9013, 0.2479, 0.2810

Tritanomaly

44.7762, 0.2220, 0.3039

Monochromacy



Original Color

44.8485, 0.2217, 0.3025

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

34.5452, 0.2615, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8485, 0.2217, 0.3025 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(43, 196, 214)` looks like.

```
.text, #text, p{  
    color:rgb(43, 196, 214)  
}
```

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(43, 196, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 196, 214) }
```

Border

The CSS property to change the border of an element to Yxy 44.8485, 0.2217, 0.3025 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(43, 196, 214) }
```

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

```
.border{ border-color:rgb(43, 196, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 196, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 196, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 196, 214);  
box-shadow:4px 4px 4px 4px rgb(43, 196,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8485, 0.2217, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 196, 214) }
```

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

```
.background{ background-color: rgb(43, 196,  
214) }
```

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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