

Converting Colors

$Y_{xy}(43.6878, 0.2220, 0.3050)$

Have a look what the booklet for
Yxy(43.6878, 0.2220, 0.3050)
contains.

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Color

Yxy(43.6878, 0.2220, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	28C2D2
RGB	40, 194, 210
RGB Percent	16%, 76%, 82%
CMY	0.8436, 0.2392, 0.1763
CMYK	0.81, 0.08, 0.00, 0.18
HSL	186°, 68%, 49%
HSV	186°, 81%, 82%
XYZ	31.7990, 43.6878, 67.7519
YIQ	149.7780, -96.9200, -27.6720

Conversions

Conversions Part 2

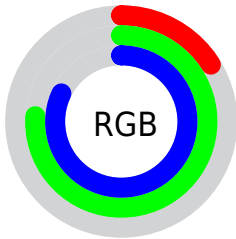
Format	Color
R_{YB}	40, 121, 210
Decimal	2671314
CIE Lab	72.02, -32.29, -18.99
CIE LCh	72, 37.458, 210.460
Yxy	43.6878, 0.2220, 0.3050
Android (android.graphics.Color)	4280861394 (0xFF28C2D2)
YUV	149.7780, 29.6894, -96.2753
Hunter-Lab	66.0967, -29.7934, -14.5070

Details

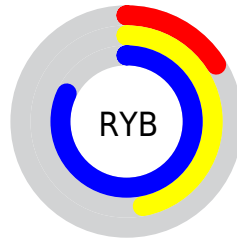
The Yxy color **43.6878, 0.2220, 0.3050** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.6781, 0.5818, 0.3419**, and the grayscale version is **30.2888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9963, 0.2427, 0.3242**, and **21.1565, 0.2158, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **42.5030, 0.2184, 0.3018**, and if you desaturate by 10%, it is **45.1157, 0.2275, 0.3083**.

Distribution



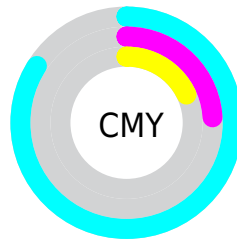
- Red (16%)
- Green (76%)
- Blue (82%)



- Red (16%)
- Yellow (47%)
- Blue (82%)



- Cyan (81%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)




- Cyan (84%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6878, 0.2220, 0.3050 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 43.6878, 0.2220, 0.3050 by changing the saturation by 10% instead.


 43.6878, 0.2220,
0.3050


 43.6878, 0.2220,
0.3050


361.4328, 0.2661,
0.3186


 30.4251, 0.2115,
0.3012


 80.7478, 0.2377,
0.3103


 20.1615, 0.1983,
0.2961


 105.3138, 0.2437,
0.3121

 12.5125, 0.1814,
0.2889


 134.4165, 0.2488,
0.3137

 7.0937, 0.1590,
0.2782

 168.4402, 0.2532,
0.3150

 3.5208, 0.1286,
0.2613

 207.7693, 0.2571,
0.3161

 1.4093, 0.0790,
0.2336

252.7881, 0.2605,

 0.2236, 0.0000,

0.3170

0.1158

303.8811, 0.2635,
0.3178

■ 0.0000, 0.0000,
0.0000

■ 43.6878, 0.2220,
0.3050

■ 43.6878, 0.2220,
0.3050

■ 42.5030, 0.2184,
0.3018

■ 45.1157, 0.2275,
0.3083

■ 41.5899, 0.2164,
0.2989

■ 46.8144, 0.2348,
0.3115

■ 48.8129, 0.2441,
0.3147

■ 51.1350, 0.2551,
0.3179

■ 53.8022, 0.2676,
0.3209

■ 56.8339, 0.2813,
0.3237

■ 60.2482, 0.2959,
0.3263

■ 64.0619, 0.3111,
0.3288

■ 68.2908, 0.3267,
0.3310

Harmonies

Analogous

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



43.6878, 0.2493, 0.3583



43.6878, 0.2220, 0.3050



43.6878, 0.2171, 0.2653

Triad

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



43.6878, 0.2220, 0.3050



43.6878, 0.3242, 0.2664



43.6878, 0.3929, 0.4143

Complementary

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



43.6878, 0.2220, 0.3050



16.6781, 0.5818, 0.3419

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.



43.6878, 0.4178, 0.3812



43.6878, 0.2220, 0.3050



43.6878, 0.3771, 0.2991

Square

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



43.6878, 0.2220, 0.3050



43.6878, 0.2722, 0.2474



43.6878, 0.4126, 0.3397



43.6878, 0.3473, 0.4263

Rectangle

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



43.6878, 0.2220, 0.3050



43.6878, 0.2263, 0.2501



43.6878, 0.4126, 0.3397



43.6878, 0.4041, 0.4049

Sweetspot

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



43.6894, 0.2220, 0.3050



86.5594, 0.2767, 0.3228



46.8262, 0.2975, 0.5665



18.1650, 0.2717, 0.3218



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.



43.6894, 0.2220, 0.3050



64.8128, 0.2168, 0.2995



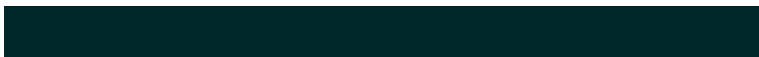
16.4229, 0.1858, 0.1679



13.2087, 0.2983, 0.3267



25.4396, 0.2165, 0.2994



1.4791, 0.2181, 0.3053

Inverse Universe

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



19.1111, 0.3403, 0.1754



27.2351, 0.3458, 0.1686



32.3633, 0.4835, 0.4320



11.9891, 0.3152, 0.3082



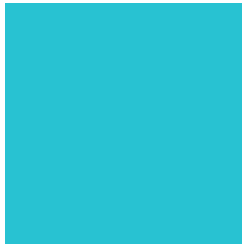
10.6394, 0.3459, 0.1679



0.6006, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 43.6878, 0.2220, 0.3050 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 43.6878, 0.2220, 0.3050 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 43.6878, 0.2220, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 43.6878, 0.2220, 0.3050.

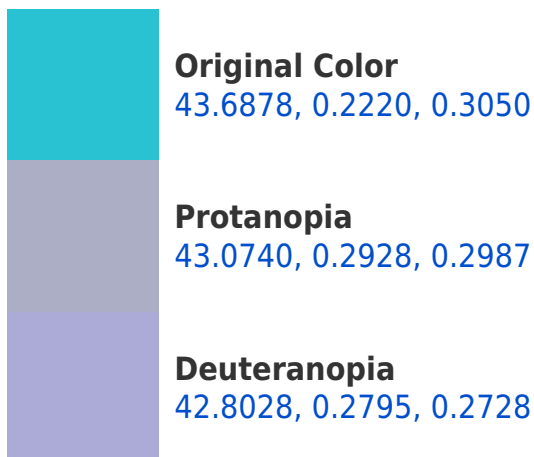


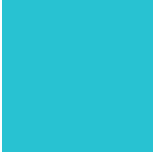
This preview shows how white text looks on a background with the Yxy color 43.6878, 0.2220, 0.3050.

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

43.6878, 0.2220, 0.3050

Trichromacy



Original Color

43.6878, 0.2220, 0.3050

Protanomaly

41.5971, 0.2551, 0.2990

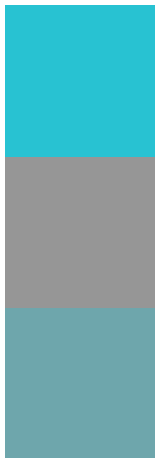
Deuteranomaly

41.3294, 0.2483, 0.2816

Tritanomaly

43.6878, 0.2220, 0.3050

Monochromacy



Original Color

43.6878, 0.2220, 0.3050

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

33.5660, 0.2617, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6878, 0.2220, 0.3050 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, 194, 210)` looks like.

```
.text, #text, p{  
    color:rgb(40, 194, 210)  
}
```

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, 194, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 194, 210) }
```

Border

The CSS property to change the border of an element to Yxy 43.6878, 0.2220, 0.3050 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, 194, 210) }
```

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

```
.border{ border-color:rgb(40, 194, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 194, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 194, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 194, 210);  
box-shadow:4px 4px 4px 4px rgb(40, 194,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6878, 0.2220, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 194, 210) }
```

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

```
.background{ background-color: rgb(40, 194,  
210) }
```

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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