

Converting Colors

$Y_{xy}(52.3730, 0.2305, 0.3497)$

Have a look what the booklet for
Yxy(52.3730, 0.2305, 0.3497)
contains.

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Color

Yxy(52.2633, 0.2304, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	01D6C8
RGB	1, 214, 200
RGB Percent	0%, 84%, 78%
CMY	0.9955, 0.1608, 0.2156
CMYK	0.99, 0.00, 0.07, 0.16
HSL	176°, 99%, 42%
HSV	176°, 99%, 84%
XYZ	34.4830, 52.2633, 62.9195
YIQ	148.7170, -122.4540, -49.5100

Conversions

Conversions Part 2

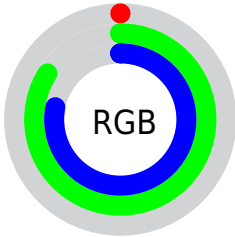
Format	Color
RYB	1, 111, 214
Decimal	120520
CIELab	77.44, -46.14, -5.49
CIELCh	77, 46.466, 186.780
Yxy	52.2633, 0.2304, 0.3492
Android (android.graphics.Color)	4278310600 (0xFF01D6C8)
YUV	148.7170, 25.2825, -129.5478
Hunter-Lab	72.2934, -41.3712, -0.9969

Details

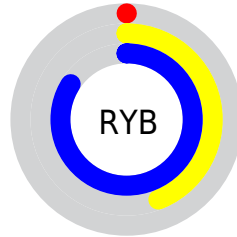
The Yxy color **52.2633, 0.2304, 0.3492** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.3541, 0.6333, 0.3267**, and the grayscale version is **29.8770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **26.5290, 0.2312, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **52.2543, 0.2304, 0.3493**, and if you desaturate by 10%, it is **52.5007, 0.2312, 0.3470**.

Distribution



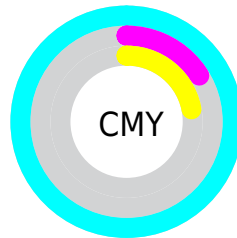
- Red (0%)
- Green (84%)
- Blue (78%)



- Red (0%)
- Yellow (44%)
- Blue (84%)



- Cyan (99%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2633, 0.2304, 0.3492 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 52.2633, 0.2304, 0.3492 by changing the saturation by 10% instead.

 52.2633, 0.2304,
0.3492

 52.2633, 0.2304,
0.3492


395.4523, 0.2699,
0.3401

 37.2150, 0.2211,
0.3512


 93.5194, 0.2444,
0.3461


 25.3740, 0.2094,
0.3535


 120.4960, 0.2497,
0.3449

 16.3559, 0.1945,
0.3563


 152.2176, 0.2543,
0.3439

 9.7764, 0.1748,
0.3596

 189.0683, 0.2583,
0.3429

 5.2509, 0.1477,
0.3633

 231.4328, 0.2617,
0.3421

 2.3952, 0.1085,
0.3668

279.6954, 0.2648,

 0.8234, 0.0000,

0.3414

0.3849

334.2404, 0.2675,
0.3407

■ 0.0000, 0.0000,
0.0000

■ 52.2633, 0.2304,
0.3492

■ 52.2633, 0.2304,
0.3492

■ 52.2543, 0.2304,
0.3493

■ 52.5007, 0.2312,
0.3470

■ 52.9248, 0.2335,
0.3448

■ 53.5933, 0.2376,
0.3426

■ 54.5394, 0.2437,
0.3404

■ 55.7910, 0.2517,
0.3383

■ 57.3726, 0.2614,
0.3362

■ 59.3062, 0.2727,
0.3341

■ 61.6120, 0.2854,
0.3323

■ 64.3085, 0.2991,
0.3305

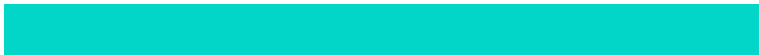
Harmonies

Analogous

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



52.2633, 0.2786, 0.4103



52.2633, 0.2304, 0.3492



52.2633, 0.2050, 0.2885

Triad

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



52.2633, 0.2304, 0.3492



52.2633, 0.2770, 0.2385



52.2633, 0.4313, 0.3971

Complementary

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



52.2633, 0.2304, 0.3492



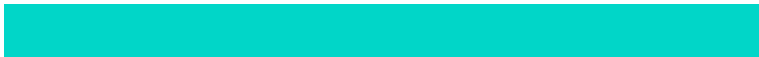
14.3541, 0.6333, 0.3267

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.



52.2633, 0.4339, 0.3502



52.2633, 0.2304, 0.3492



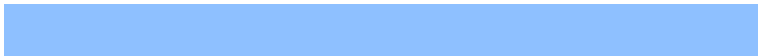
52.2633, 0.3393, 0.2638

Square

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



52.2633, 0.2304, 0.3492



52.2633, 0.2298, 0.2321



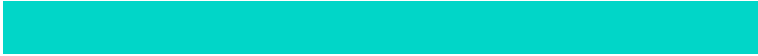
52.2633, 0.3991, 0.3033



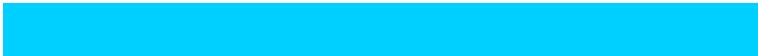
52.2633, 0.3952, 0.4333

Rectangle

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



52.2633, 0.2304, 0.3492



52.2633, 0.2022, 0.2588



52.2633, 0.3991, 0.3033



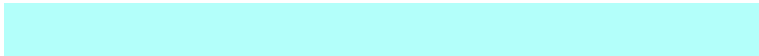
52.2633, 0.4364, 0.3820

Sweetspot

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



52.2653, 0.2304, 0.3492



87.9449, 0.2717, 0.3343



48.1942, 0.3013, 0.5987



18.5517, 0.2668, 0.3352



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.



52.2653, 0.2304, 0.3492



77.7080, 0.2304, 0.3495



18.7213, 0.1834, 0.1800



14.0931, 0.2991, 0.3305



31.5943, 0.2303, 0.3490



1.9100, 0.2292, 0.3452

Inverse Universe

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



14.3541, 0.6333, 0.3267



21.2997, 0.6351, 0.3272



22.1921, 0.5605, 0.3926



12.4339, 0.3281, 0.3275



8.6658, 0.6325, 0.3258



0.5274, 0.6098, 0.3133

Previews

White Background



This preview shows how the Yxy color 52.2633, 0.2304, 0.3492 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 52.2633, 0.2304, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

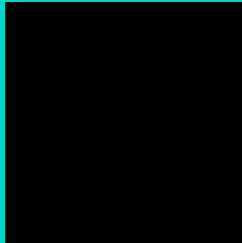
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

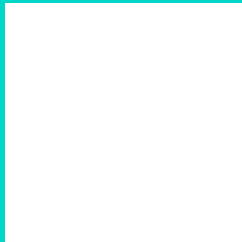
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2633, 0.2304, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 52.2633, 0.2304, 0.3492.

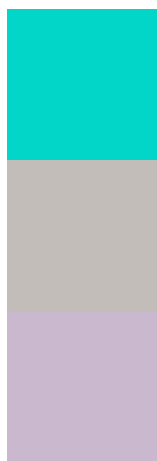


This preview shows how white text looks on a background with the Yxy color 52.2633, 0.2304, 0.3492.

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

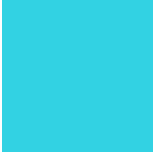
52.2697, 0.2304, 0.3492

Protanopia

51.3673, 0.3199, 0.3340

Deuteranopia

51.1547, 0.3098, 0.3026



Tritanopia

52.3173, 0.2232, 0.3054

Trichromacy



Original Color

52.2697, 0.2304, 0.3492



Protanomaly

48.3910, 0.2657, 0.3402



Deuteranomaly

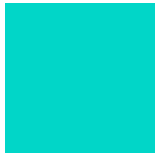
47.9790, 0.2593, 0.3165



Tritanomaly

51.9054, 0.2247, 0.3203

Monochromacy



Original Color

52.2697, 0.2304, 0.3492



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.1472, 0.2563, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2633, 0.2304, 0.3492 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(1, 214, 200)` looks like.

```
.text, #text, p{  
    color:rgb(1, 214, 200)  
}
```

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(1, 214, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 214, 200) }
```

Border

The CSS property to change the border of an element to Yxy 52.2633, 0.2304, 0.3492 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(1, 214, 200) }
```

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

```
.border{ border-color:rgb(1, 214, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 214, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 214, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 214, 200);  
box-shadow:4px 4px 4px 4px rgb(1, 214,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2633, 0.2304, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 214, 200) }
```

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

```
.background{ background-color: rgb(1, 214,  
200) }
```

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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