

Converting Colors

$Y_{xy}(52.2300, 0.2376, 0.3605)$

Have a look what the booklet for
Yxy(52.2300, 0.2376, 0.3605)
contains.

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Color

$\text{Yxy}(52.3703, 0.2378, 0.3612)$

Conversions

Conversions Part 1

Format	Color
Hex	29D6C0
RGB	41, 214, 192
RGB Percent	16%, 84%, 75%
CMY	0.8384, 0.1608, 0.2472
CMYK	0.81, 0.00, 0.10, 0.16
HSL	172°, 68%, 50%
HSV	172°, 81%, 84%
XYZ	34.4786, 52.3703, 58.1409
YIQ	159.7650, -96.0460, -43.5180

Conversions

Conversions Part 2

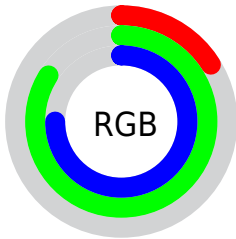
Format	Color
R _Y B	41, 133, 214
Decimal	2741952
CIE Lab	77.50, -46.43, -1.05
CIE LCh	78, 46.443, 181.292
Yxy	52.3703, 0.2378, 0.3612
Android (android.graphics.Color)	4280932032 (0xFF29D6C0)
YUV	159.7650, 15.8919, -104.1569
Hunter-Lab	72.3673, -41.5986, 3.0227

Details

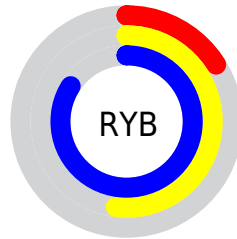
The Yxy color **52.3703, 0.2378, 0.3612** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.2585, 0.5659, 0.3125**, and the grayscale version is **35.0277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1489, 0.2468, 0.3369**, and **26.3178, 0.2351, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **51.9234, 0.2362, 0.3657**, and if you desaturate by 10%, it is **53.0627, 0.2413, 0.3567**.

Distribution



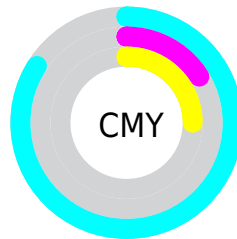
- Red (16%)
- Green (84%)
- Blue (75%)



- Red (16%)
- Yellow (52%)
- Blue (84%)



- Cyan (81%)
- Magenta (0%)
- Yellow (10%)
- Black (16%)




- Cyan (84%)
- Magenta (16%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3703, 0.2378, 0.3612 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 52.3703, 0.2378, 0.3612 by changing the saturation by 10% instead.


 52.3703, 0.2378,
0.3612

 52.3703, 0.2378,
0.3612


395.8645, 0.2741,
0.3457

 37.3003, 0.2291,
0.3649


 93.6771, 0.2507,
0.3557


 25.4401, 0.2183,
0.3694


 120.6828, 0.2556,
0.3536


 16.4052, 0.2042,
0.3753


 152.4357, 0.2598,
0.3518

 9.8114, 0.1855,
0.3831

 189.3204, 0.2634,
0.3503

 5.2741, 0.1594,
0.3937

 231.7213, 0.2666,
0.3489

 2.4090, 0.1203,
0.4093

280.0226, 0.2694,

 0.8305, 0.0000,

0.3477

0.4593

334.6089, 0.2719,
0.3467

■ 0.0000, 0.0000,
0.0000

■ 52.3703, 0.2378,
0.3612

■ 52.3703, 0.2378,
0.3612

■ 51.9234, 0.2362,
0.3657

■ 53.0627, 0.2413,
0.3567

■ 51.6676, 0.2360,
0.3697

■ 54.0284, 0.2467,
0.3523

■ 55.2980, 0.2539,
0.3479

■ 56.8962, 0.2630,
0.3437

■ 58.8455, 0.2736,
0.3397

■ 61.1662, 0.2854,
0.3359

■ 63.8771, 0.2982,
0.3324

■ 66.9957, 0.3117,
0.3292

■ 70.5384, 0.3256,
0.3263

Harmonies

Analogous

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



52.3703, 0.2893, 0.4190



52.3703, 0.2378, 0.3612



52.3703, 0.2078, 0.2984

Triad

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



52.3703, 0.2378, 0.3612



52.3703, 0.2670, 0.2359



52.3703, 0.4344, 0.3889

Complementary

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



52.3703, 0.2378, 0.3612



16.2585, 0.5659, 0.3125

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.



52.3703, 0.4301, 0.3414



52.3703, 0.2378, 0.3612



52.3703, 0.3274, 0.2581

Square

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



52.3703, 0.2378, 0.3612



52.3703, 0.2236, 0.2334



52.3703, 0.3893, 0.2953



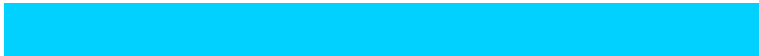
52.3703, 0.4037, 0.4281

Rectangle

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



52.3703, 0.2378, 0.3612



52.3703, 0.2020, 0.2660



52.3703, 0.3893, 0.2953



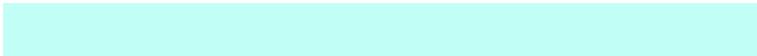
52.3703, 0.4373, 0.3734

Sweetspot

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



52.3723, 0.2378, 0.3612



89.6904, 0.2811, 0.3372



49.3522, 0.3085, 0.5727



18.9330, 0.2769, 0.3386



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.



52.3723, 0.2378, 0.3612



76.9220, 0.2361, 0.3688



27.3501, 0.2022, 0.2297



14.0793, 0.2999, 0.3320



31.2412, 0.2359, 0.3691



1.8921, 0.2337, 0.3614

Inverse Universe

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



16.2585, 0.5659, 0.3125



21.5738, 0.6207, 0.3212



24.4734, 0.5285, 0.3903



12.4463, 0.3271, 0.3261



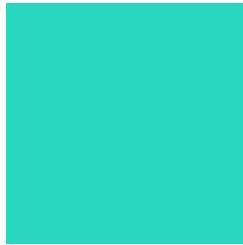
8.6982, 0.6229, 0.3205



0.5333, 0.5845, 0.2994

Previews

White Background



This preview shows how the Yxy color 52.3703, 0.2378, 0.3612 looks on a white background.

Color Contrast Check

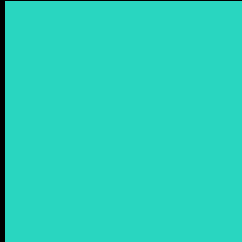
Large Text (above 18pt) WCAG AA × Fail

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 52.3703, 0.2378, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

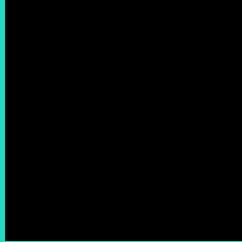
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

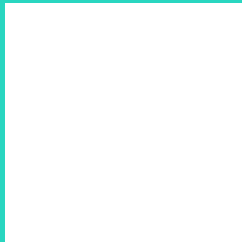
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.3703, 0.2378, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 52.3703, 0.2378, 0.3612.

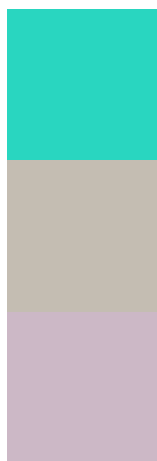


This preview shows how white text looks on a background with the Yxy color 52.3703, 0.2378, 0.3612.

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

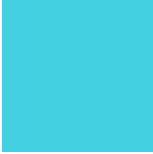
52.3703, 0.2378, 0.3612

Protanopia

51.3453, 0.3271, 0.3428

Deuteranopia

51.1956, 0.3185, 0.3122



Tritanopia

52.2852, 0.2270, 0.3055

Trichromacy



Original Color

52.3703, 0.2378, 0.3612



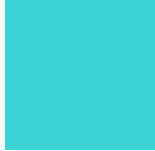
Protanomaly

49.3825, 0.2802, 0.3498



Deuteranomaly

49.0355, 0.2749, 0.3275



Tritanomaly

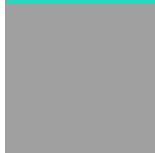
52.3431, 0.2305, 0.3245

Monochromacy



Original Color

52.3703, 0.2378, 0.3612



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

39.4030, 0.2693, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3703, 0.2378, 0.3612 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(41, 214, 192)` looks like.

```
.text, #text, p{  
    color:rgb(41, 214, 192)  
}
```

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(41, 214, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 214, 192) }
```

Border

The CSS property to change the border of an element to Yxy 52.3703, 0.2378, 0.3612 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(41, 214, 192) }
```

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

```
.border{ border-color:rgb(41, 214, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 214, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 214, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 214, 192);  
box-shadow:4px 4px 4px 4px rgb(41, 214,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3703, 0.2378, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 214, 192) }
```

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

```
.background{ background-color: rgb(41, 214,  
192) }
```

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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