

Converting Colors

$Y_{xy}(53.5375, 0.2279, 0.3482)$

Have a look what the booklet for
Yxy(53.5375, 0.2279, 0.3482)
contains.

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Color

Yxy(53.9375, 0.2303, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	00D9CB
RGB	0, 217, 203
RGB Percent	0%, 85%, 80%
CMY	0.9987, 0.1490, 0.2040
CMYK	1.00, 0.00, 0.06, 0.15
HSL	176°, 100%, 43%
HSV	176°, 100%, 85%
XYZ	35.5926, 53.9375, 65.0186
YIQ	150.5210, -124.8380, -50.3580

Conversions

Conversions Part 2

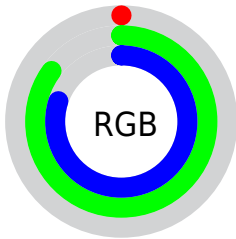
Format	Color
RYB	0, 112, 217
Decimal	55755
CIELab	78.43, -46.61, -5.62
CIELCh	78, 46.949, 186.870
Yxy	53.9375, 0.2303, 0.3490
Android (android.graphics.Color)	4278245835 (0xFF00D9CB)
YUV	150.5210, 25.8721, -132.0069
Hunter-Lab	73.4422, -42.0166, -1.0802

Details

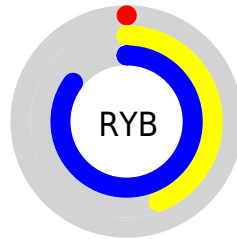
The Yxy color **53.9375, 0.2303, 0.3490** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.7921, 0.6341, 0.3268**, and the grayscale version is **30.7043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **27.6597, 0.2310, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **53.9363, 0.2303, 0.3490**, and if you desaturate by 10%, it is **54.1756, 0.2311, 0.3469**.

Distribution



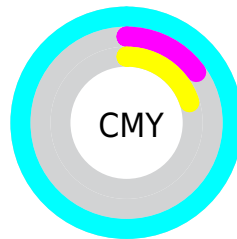
- Red (0%)
- Green (85%)
- Blue (80%)



- Red (0%)
- Yellow (44%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.9375, 0.2303, 0.3490 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 53.9375, 0.2303, 0.3490 by changing the saturation by 10% instead.


 53.9375, 0.2303,
0.3490


 53.9375, 0.2303,
0.3490


401.8716, 0.2696,
0.3401

 38.5517, 0.2211,
0.3509


 95.9825, 0.2442,
0.3460


 26.4112, 0.2096,
0.3532


 123.4104, 0.2495,
0.3448


 17.1315, 0.1949,
0.3559


 155.6212, 0.2541,
0.3438

 10.3283, 0.1756,
0.3590

 192.9993, 0.2580,
0.3428

 5.6172, 0.1493,
0.3626

 235.9289, 0.2615,
0.3420

 2.6137, 0.1121,
0.3657

284.7946, 0.2645,

 0.9336, 0.0000,

0.3413

0.3868

339.9807, 0.2672,
0.3407

■ 0.0000, 0.0000,
0.0000

■ 53.9375, 0.2303,
0.3490

■ 53.9375, 0.2303,
0.3490

■ 53.9363, 0.2303,
0.3490

■ 54.1756, 0.2311,
0.3469

■ 54.6022, 0.2333,
0.3447

■ 55.2799, 0.2374,
0.3425

■ 56.2430, 0.2434,
0.3403

■ 57.5209, 0.2513,
0.3382

■ 59.1388, 0.2609,
0.3361

■ 61.1197, 0.2722,
0.3342

■ 63.4844, 0.2848,
0.3323

■ 66.2524, 0.2985,
0.3306

Harmonies

Analogous

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



53.9375, 0.2785, 0.4102



53.9375, 0.2303, 0.3490



53.9375, 0.2050, 0.2883

Triad

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



53.9375, 0.2303, 0.3490



53.9375, 0.2772, 0.2386



53.9375, 0.4312, 0.3972

Complementary

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



53.9375, 0.2303, 0.3490



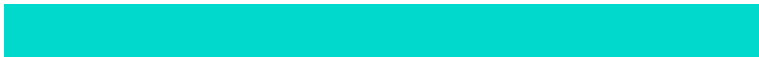
14.7921, 0.6341, 0.3268

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.



53.9375, 0.4339, 0.3503



53.9375, 0.2303, 0.3490



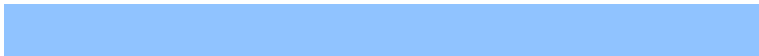
53.9375, 0.3395, 0.2640

Square

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



53.9375, 0.2303, 0.3490



53.9375, 0.2299, 0.2321



53.9375, 0.3992, 0.3034



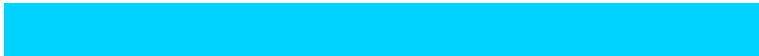
53.9375, 0.3951, 0.4334

Rectangle

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



53.9375, 0.2303, 0.3490



53.9375, 0.2023, 0.2587



53.9375, 0.3992, 0.3034



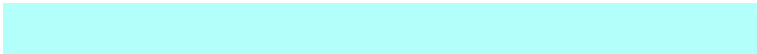
53.9375, 0.4363, 0.3821

Sweetspot

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



53.9395, 0.2303, 0.3490



87.9493, 0.2717, 0.3342



49.7272, 0.3012, 0.5989



18.5528, 0.2668, 0.3351



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.



53.9395, 0.2303, 0.3490



77.7220, 0.2303, 0.3492



19.2063, 0.1832, 0.1792



14.8143, 0.2991, 0.3305



32.6556, 0.2302, 0.3487



2.1201, 0.2292, 0.3452

Inverse Universe

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



14.7921, 0.6341, 0.3268



21.2989, 0.6352, 0.3273



22.7984, 0.5615, 0.3922



13.0651, 0.3281, 0.3275



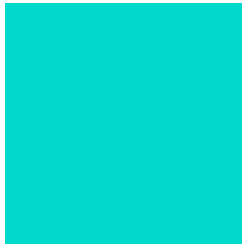
8.9546, 0.6327, 0.3259



0.5850, 0.6115, 0.3142

Previews

White Background



This preview shows how the Yxy color 53.9375, 0.2303, 0.3490 looks on a white background.

Color Contrast Check

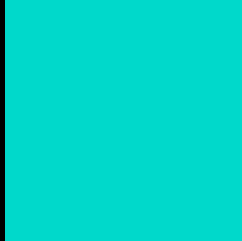
Large Text (above 18pt) WCAG AA × Fail

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 53.9375, 0.2303, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

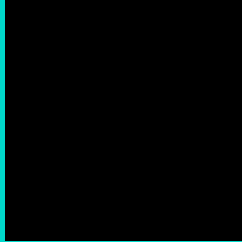
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

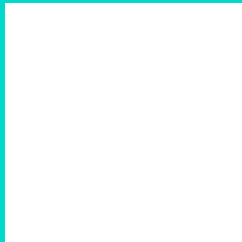
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.9375, 0.2303, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 53.9375, 0.2303, 0.3490.

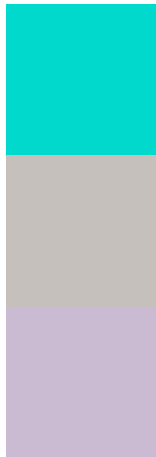


This preview shows how white text looks on a background with the Yxy color 53.9375, 0.2303, 0.3490.

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

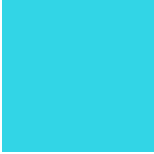
53.9375, 0.2303, 0.3490

Protanopia

53.2004, 0.3198, 0.3339

Deuteranopia

52.8903, 0.3083, 0.3018



Tritanopia

53.9798, 0.2231, 0.3057

Trichromacy



Original Color

53.9375, 0.2303, 0.3490



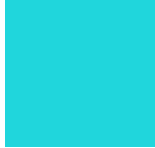
Protanomaly

49.9835, 0.2651, 0.3400



Deuteranomaly

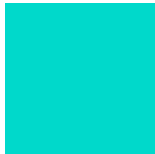
49.5603, 0.2588, 0.3166



Tritanomaly

53.5675, 0.2246, 0.3204

Monochromacy



Original Color

53.9375, 0.2303, 0.3490



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

36.0490, 0.2562, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.9375, 0.2303, 0.3490 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(0, 217, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 203)  
}
```

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(0, 217, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 203) }
```

Border

The CSS property to change the border of an element to Yxy 53.9375, 0.2303, 0.3490 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(0, 217, 203) }
```

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

```
.border{ border-color:rgb(0, 217, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 53.9375, 0.2303, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 203) }
```

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

```
.background{ background-color: rgb(0, 217,  
203) }
```

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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