

Converting Colors

$Yxy(53.4559, 0.2334, 0.3601)$

Have a look what the booklet for
Yxy(53.4559, 0.2334, 0.3601)
contains.

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Color

Yxy(53.5723, 0.2337, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	02D9C3
RGB	2, 217, 195
RGB Percent	1%, 85%, 76%
CMY	0.9939, 0.1490, 0.2353
CMYK	0.99, 0.00, 0.10, 0.15
HSL	174°, 99%, 43%
HSV	174°, 99%, 85%
XYZ	34.6810, 53.5723, 60.1464
YIQ	150.2070, -121.0780, -52.4220

Conversions

Conversions Part 2

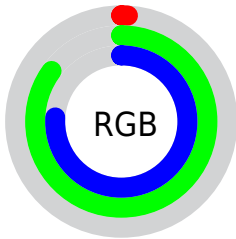
Format	Color
RYB	2, 115, 217
Decimal	186819
CIELab	78.21, -48.79, -1.67
CIELCh	78, 48.823, 181.958
Yxy	53.5723, 0.2337, 0.3610
Android (android.graphics.Color)	4278376899 (0xFF02D9C3)
YUV	150.2070, 22.0829, -129.9775
Hunter-Lab	73.1931, -43.5094, 2.5136

Details

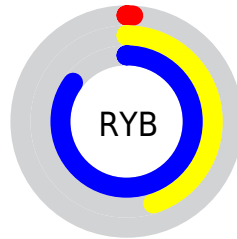
The Yxy color **53.5723, 0.2337, 0.3610** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.8488, 0.6282, 0.3240**, and the grayscale version is **30.4733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6732, 0.2423, 0.3335**, and **27.4128, 0.2355, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **53.5572, 0.2337, 0.3612**, and if you desaturate by 10%, it is **53.8504, 0.2342, 0.3575**.

Distribution



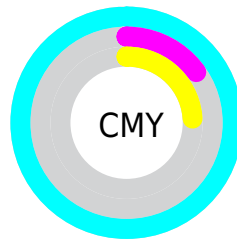
- Red (1%)
- Green (85%)
- Blue (76%)



- Red (1%)
- Yellow (45%)
- Blue (85%)



- Cyan (99%)
- Magenta (0%)
- Yellow (10%)
- Black (15%)




- Cyan (99%)
- Magenta (15%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5723, 0.2337, 0.3610 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 53.5723, 0.2337, 0.3610 by changing the saturation by 10% instead.

 53.5723, 0.2337,
0.3610


 53.5723, 0.2337,
0.3610


400.4770, 0.2717,
0.3458


 38.2598, 0.2247,
0.3645


 95.4460, 0.2472,
0.3557

 26.1844, 0.2134,
0.3689


 122.7760, 0.2523,
0.3536


 16.9617, 0.1989,
0.3745


 154.8806, 0.2567,
0.3518

 10.2072, 0.1797,
0.3818

 192.1442, 0.2605,
0.3503

 5.5365, 0.1533,
0.3917

 234.9513, 0.2639,
0.3490

 2.5654, 0.1146,
0.4054

283.6862, 0.2668,

 0.9093, 0.0000,

0.3478

0.4495

338.7333, 0.2694,
0.3467

■ 0.0000, 0.0000,
0.0000

■ 53.5723, 0.2337,
0.3610

■ 53.5723, 0.2337,
0.3610

■ 53.5572, 0.2337,
0.3612

■ 53.8504, 0.2342,
0.3575

■ 54.3244, 0.2362,
0.3540

■ 55.0525, 0.2402,
0.3505

■ 56.0687, 0.2460,
0.3470

■ 57.4019, 0.2537,
0.3435

■ 59.0775, 0.2632,
0.3402

■ 61.1181, 0.2742,
0.3371

■ 63.5446, 0.2865,
0.3341

■ 66.3763, 0.2998,
0.3313

Harmonies

Analogous

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



53.5723, 0.2867, 0.4222



53.5723, 0.2337, 0.3610



53.5723, 0.2034, 0.2955

Triad

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



53.5723, 0.2337, 0.3610



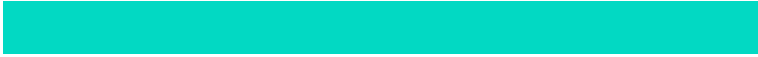
53.5723, 0.2662, 0.2328



53.5723, 0.4391, 0.3917

Complementary

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



53.5723, 0.2337, 0.3610



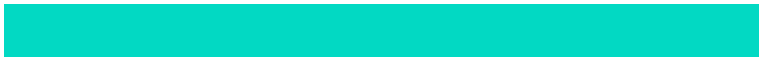
14.8488, 0.6282, 0.3240

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.



53.5723, 0.4357, 0.3425



53.5723, 0.2337, 0.3610



53.5723, 0.3294, 0.2561

Square

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



53.5723, 0.2337, 0.3610



53.5723, 0.2209, 0.2295



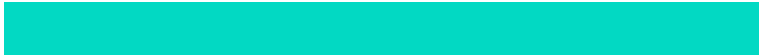
53.5723, 0.3939, 0.2949



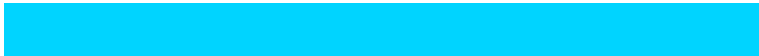
53.5723, 0.4061, 0.4326

Rectangle

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



53.5723, 0.2337, 0.3610



53.5723, 0.1978, 0.2622



53.5723, 0.3939, 0.2949



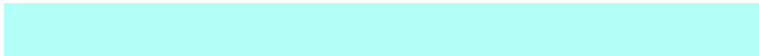
53.5723, 0.4424, 0.3757

Sweetspot

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



53.5743, 0.2337, 0.3610



87.7715, 0.2731, 0.3374



49.8559, 0.3027, 0.5974



18.5096, 0.2683, 0.3387



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.



53.5743, 0.2337, 0.3610



77.1758, 0.2338, 0.3616



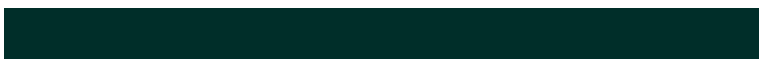
22.1826, 0.1884, 0.1978



14.8055, 0.2996, 0.3314



32.4310, 0.2335, 0.3607



2.1078, 0.2320, 0.3550

Inverse Universe

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



14.8488, 0.6282, 0.3240



21.3347, 0.6308, 0.3249



21.1163, 0.5744, 0.3814



13.0730, 0.3276, 0.3266



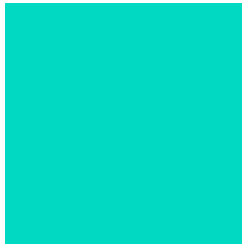
8.9726, 0.6275, 0.3231



0.5888, 0.5965, 0.3060

Previews

White Background



This preview shows how the Yxy color 53.5723, 0.2337, 0.3610 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 53.5723, 0.2337, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

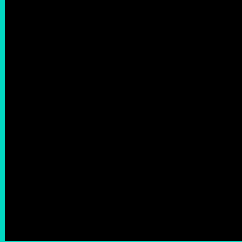
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

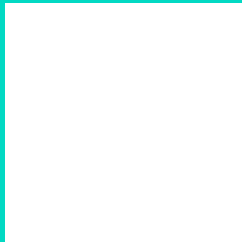
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.5723, 0.2337, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 53.5723, 0.2337, 0.3610.

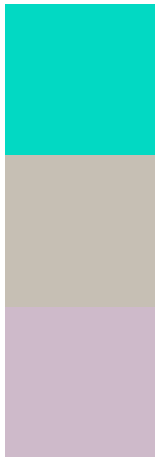


This preview shows how white text looks on a background with the Yxy color 53.5723, 0.2337, 0.3610.

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

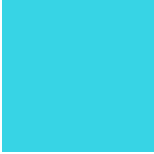
53.5787, 0.2337, 0.3610

Protanopia

52.5627, 0.3270, 0.3426

Deuteranopia

52.5039, 0.3169, 0.3100



Tritanopia

53.5563, 0.2241, 0.3057

Trichromacy



Original Color

53.5787, 0.2337, 0.3610



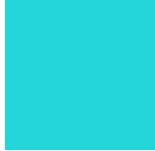
Protanomaly

49.3234, 0.2709, 0.3501



Deuteranomaly

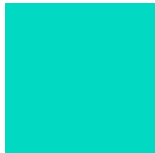
48.9616, 0.2650, 0.3261



Tritanomaly

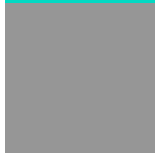
53.4780, 0.2264, 0.3245

Monochromacy



Original Color

53.5787, 0.2337, 0.3610



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.5121, 0.2584, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5723, 0.2337, 0.3610 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(2, 217, 195)` looks like.

```
.text, #text, p{  
    color:rgb(2, 217, 195)  
}
```

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(2, 217, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 217, 195) }
```

Border

The CSS property to change the border of an element to Yxy 53.5723, 0.2337, 0.3610 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(2, 217, 195) }
```

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

```
.border{ border-color:rgb(2, 217, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 217, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 217, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 217, 195);  
box-shadow:4px 4px 4px 4px rgb(2, 217,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5723, 0.2337, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 217, 195) }
```

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

```
.background{ background-color: rgb(2, 217,  
195) }
```

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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