

Converting Colors

$Y_{xy}(49.8872, 0.2069, 0.3624)$

Have a look what the booklet for
Yxy(49.8872, 0.2069, 0.3624)
contains.

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Color

Yxy(53.0068, 0.2337, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	01D8C2
RGB	1, 216, 194
RGB Percent	0%, 85%, 76%
CMY	0.9979, 0.1529, 0.2393
CMYK	1.00, 0.00, 0.10, 0.15
HSL	174°, 100%, 42%
HSV	174°, 100%, 85%
XYZ	34.2959, 53.0068, 59.4492
YIQ	149.2070, -121.0780, -52.4220

Conversions

Conversions Part 2

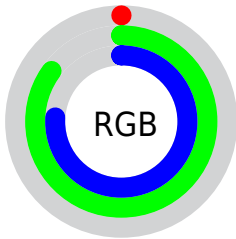
Format	Color
RYB	1, 114, 216
Decimal	121026
CIELab	77.88, -48.69, -1.60
CIELCh	78, 48.714, 181.888
Yxy	53.0068, 0.2337, 0.3612
Android (android.graphics.Color)	4278311106 (0xFF01D8C2)
YUV	149.2070, 22.0829, -129.9775
Hunter-Lab	72.8058, -43.3258, 2.5511

Details

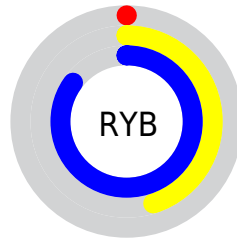
The Yxy color **53.0068, 0.2337, 0.3612** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.6703, 0.6291, 0.3241**, and the grayscale version is **30.0256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6103, 0.2427, 0.3346**, and **27.0647, 0.2350, 0.3660** is the 20% darker color. If you saturate the color by 10%, you get **53.0030, 0.2337, 0.3613**, and if you desaturate by 10%, it is **53.2773, 0.2342, 0.3577**.

Distribution



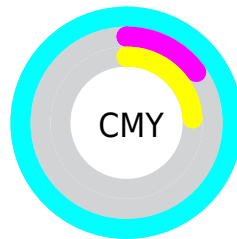
- Red (0%)
- Green (85%)
- Blue (76%)



- Red (0%)
- Yellow (45%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0068, 0.2337, 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 53.0068, 0.2337, 0.3612 by changing the saturation by 10% instead.

 53.0068, 0.2337,
0.3612


 53.0068, 0.2337,
0.3612


398.3112, 0.2718,
0.3459


 37.8082, 0.2247,
0.3648

 94.6144, 0.2472,
0.3558


 25.8339, 0.2133,
0.3692

 121.7921, 0.2524,
0.3537

 16.6994, 0.1988,
0.3749


 153.7317, 0.2568,
0.3519

 10.0204, 0.1794,
0.3823

 190.8176, 0.2606,
0.3504

 5.4125, 0.1527,
0.3923

 233.4341, 0.2639,
0.3491

 2.4913, 0.1131,
0.4066

281.9656, 0.2669,

 0.8723, 0.0000,

0.3479

0.4502

336.7965, 0.2695,
0.3468

■ 0.0000, 0.0000,
0.0000

■ 53.0068, 0.2337,
0.3612

■ 53.0068, 0.2337,
0.3612

■ 53.0030, 0.2337,
0.3613

■ 53.2773, 0.2342,
0.3577

■ 53.7362, 0.2361,
0.3542

■ 54.4446, 0.2399,
0.3507

■ 55.4366, 0.2457,
0.3472

■ 56.7411, 0.2534,
0.3437

■ 58.3830, 0.2628,
0.3404

■ 60.3851, 0.2737,
0.3372

■ 62.7679, 0.2859,
0.3342

■ 65.5506, 0.2991,
0.3315

Harmonies

Analogous

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



53.0068, 0.2868, 0.4225



53.0068, 0.2337, 0.3612



53.0068, 0.2033, 0.2956

Triad

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



53.0068, 0.2337, 0.3612



53.0068, 0.2660, 0.2326



53.0068, 0.4393, 0.3917

Complementary

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



53.0068, 0.2337, 0.3612



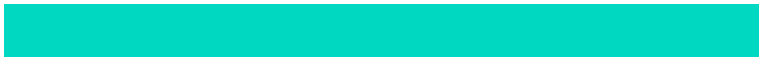
14.6703, 0.6291, 0.3241

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.



53.0068, 0.4358, 0.3424



53.0068, 0.2337, 0.3612



53.0068, 0.3293, 0.2559

Square

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



53.0068, 0.2337, 0.3612



53.0068, 0.2207, 0.2294



53.0068, 0.3939, 0.2947



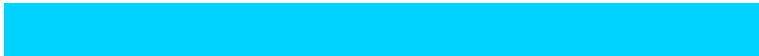
53.0068, 0.4063, 0.4326

Rectangle

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



53.0068, 0.2337, 0.3612



53.0068, 0.1977, 0.2622



53.0068, 0.3939, 0.2947



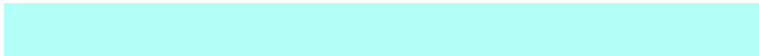
53.0068, 0.4426, 0.3756

Sweetspot

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



53.0088, 0.2337, 0.3612



87.7709, 0.2731, 0.3374



49.3277, 0.3027, 0.5977



18.5095, 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.



53.0088, 0.2337, 0.3612



77.1738, 0.2338, 0.3616



21.8463, 0.1882, 0.1972



14.0850, 0.2996, 0.3314



31.3820, 0.2335, 0.3607



1.8993, 0.2319, 0.3547

Inverse Universe

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



14.6703, 0.6291, 0.3241



21.3348, 0.6308, 0.3248



20.8054, 0.5755, 0.3810



12.4412, 0.3275, 0.3266



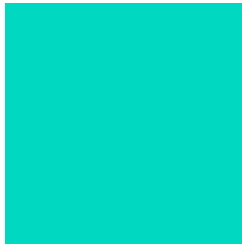
8.6830, 0.6273, 0.3230



0.5309, 0.5945, 0.3049

Previews

White Background



This preview shows how the Yxy color 53.0068, 0.2337, 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 53.0068, 0.2337, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

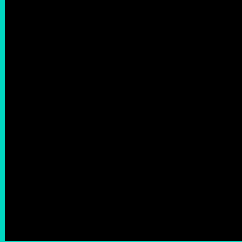
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

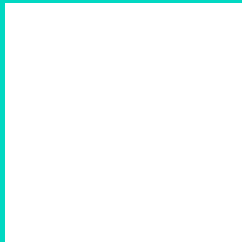
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.0068, 0.2337, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 53.0068, 0.2337, 0.3612.

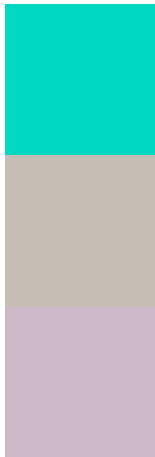


This preview shows how white text looks on a background with the Yxy color 53.0068, 0.2337, 0.3612.

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

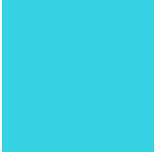
53.0132, 0.2337, 0.3612

Protanopia

51.9925, 0.3263, 0.3415

Deuteranopia

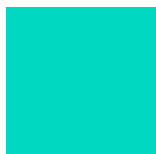
51.8941, 0.3169, 0.3099



Tritanopia

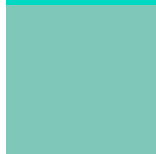
53.0022, 0.2241, 0.3056

Trichromacy



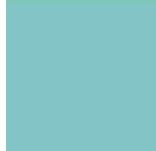
Original Color

53.0132, 0.2337, 0.3612



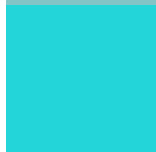
Protanomaly

48.7853, 0.2701, 0.3487



Deuteranomaly

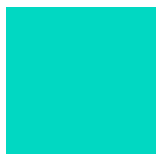
48.3824, 0.2648, 0.3261



Tritanomaly

52.9037, 0.2262, 0.3245

Monochromacy



Original Color

53.0132, 0.2337, 0.3612



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.0366, 0.2582, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0068, 0.2337, 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(1, 216, 194)` looks like.

```
.text, #text, p{  
    color:rgb(1, 216, 194)  
}
```

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, 216, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 216, 194) }
```

Border

The CSS property to change the border of an element to Yxy 53.0068, 0.2337, 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(1, 216, 194) }
```

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

```
.border{ border-color:rgb(1, 216, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 216, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 216, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 216, 194);  
box-shadow:4px 4px 4px 4px rgb(1, 216,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0068, 0.2337, 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(1, 216, 194) }
```

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

```
.background{ background-color: rgb(1, 216,  
194) }
```

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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