

Converting Colors

$Y_{xy}(53.5178, 0.2357, 0.3529)$

Have a look what the booklet for
Yxy(53.5178, 0.2357, 0.3529)
contains.

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Color

Yxy(53.7488, 0.2357, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	2BD8C7
RGB	43, 216, 199
RGB Percent	17%, 85%, 78%
CMY	0.8319, 0.1529, 0.2195
CMYK	0.80, 0.00, 0.08, 0.15
HSL	174°, 69%, 51%
HSV	174°, 80%, 85%
XYZ	35.8579, 53.7488, 62.5269
YIQ	162.3350, -97.6510, -41.9630

Conversions

Conversions Part 2

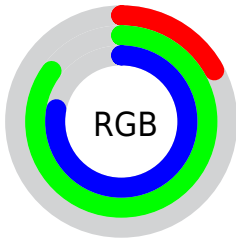
Format	Color
R _Y B	43, 134, 216
Decimal	2873543
CIE Lab	78.32, -45.24, -3.63
CIE LCh	78, 45.389, 184.583
Yxy	53.7488, 0.2357, 0.3533
Android (android.graphics.Color)	4281063623 (0xFF2BD8C7)
YUV	162.3350, 18.0758, -104.6568
Hunter-Lab	73.3136, -40.9939, 0.7529

Details

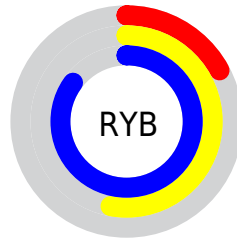
The Yxy color **53.7488, 0.2357, 0.3533** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.6432, 0.5710, 0.3169**, and the grayscale version is **36.2280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **27.1859, 0.2327, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **53.3046, 0.2338, 0.3567**, and if you desaturate by 10%, it is **54.4451, 0.2395, 0.3499**.

Distribution



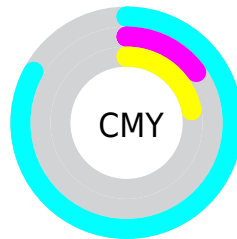
- Red (17%)
- Green (85%)
- Blue (78%)



- Red (17%)
- Yellow (53%)
- Blue (85%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)





- Cyan (83%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.7488, 0.2357, 0.3533 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 53.7488, 0.2357, 0.3533 by changing the saturation by 10% instead.


 53.7488, 0.2357,
0.3533

 53.7488, 0.2357,
0.3533


401.1514, 0.2727,
0.3420

 38.4009, 0.2270,
0.3558


 95.7053, 0.2488,
0.3494

 26.2940, 0.2161,
0.3590


 123.0827, 0.2538,
0.3479


 17.0437, 0.2021,
0.3628


 155.2387, 0.2581,
0.3466

 10.2656, 0.1835,
0.3677

 192.5576, 0.2618,
0.3454

 5.5754, 0.1580,
0.3740

 235.4240, 0.2650,
0.3444

 2.5887, 0.1213,
0.3818

284.2221, 0.2679,

 0.9210, 0.0000,

0.3435

0.4173

339.3365, 0.2704,
0.3427

■ 0.0000, 0.0000,
0.0000

■ 53.7488, 0.2357,
0.3533

■ 53.7488, 0.2357,
0.3533

■ 53.3046, 0.2338,
0.3567

■ 54.4451, 0.2395,
0.3499

■ 53.0473, 0.2333,
0.3599

■ 55.4216, 0.2452,
0.3465

■ 56.7093, 0.2528,
0.3432

■ 58.3336, 0.2622,
0.3400

■ 60.3170, 0.2731,
0.3370

■ 62.6803, 0.2853,
0.3341

■ 65.4427, 0.2986,
0.3315

■ 68.6219, 0.3125,
0.3290

■ 72.2348, 0.3269,
0.3268

Harmonies

Analogous

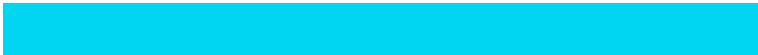
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.7488, 0.2839, 0.4109



53.7488, 0.2357, 0.3533



53.7488, 0.2091, 0.2937

Triad

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



53.7488, 0.2357, 0.3533



53.7488, 0.2742, 0.2399



53.7488, 0.4291, 0.3923

Complementary

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



53.7488, 0.2357, 0.3533



16.6432, 0.5710, 0.3169

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.



53.7488, 0.4287, 0.3465



53.7488, 0.2357, 0.3533



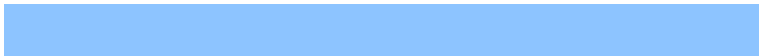
53.7488, 0.3340, 0.2634

Square

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



53.7488, 0.2357, 0.3533



53.7488, 0.2297, 0.2353



53.7488, 0.3927, 0.3010



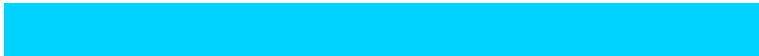
53.7488, 0.3963, 0.4283

Rectangle

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



53.7488, 0.2357, 0.3533



53.7488, 0.2051, 0.2638



53.7488, 0.3927, 0.3010



53.7488, 0.4330, 0.3775

Sweetspot

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



53.7508, 0.2357, 0.3533



89.8021, 0.2802, 0.3353



50.2556, 0.3064, 0.5732



18.9603, 0.2758, 0.3363



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.



53.7508, 0.2357, 0.3533



77.3540, 0.2334, 0.3589



26.2596, 0.2001, 0.2210



14.0859, 0.2996, 0.3313



31.4051, 0.2332, 0.3594



1.9004, 0.2316, 0.3536

Inverse Universe

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



16.6432, 0.5710, 0.3169



21.5982, 0.6239, 0.3236



26.3895, 0.5198, 0.3969



12.4404, 0.3276, 0.3267



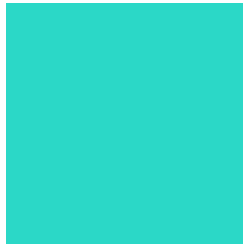
8.6808, 0.6280, 0.3233



0.5305, 0.5962, 0.3058

Previews

White Background



This preview shows how the Yxy color 53.7488, 0.2357, 0.3533 looks on a white background.

Color Contrast Check

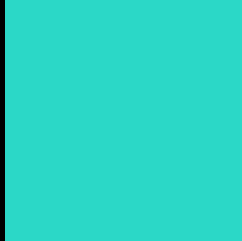
Large Text (above 18pt) WCAG AA × Fail

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 53.7488, 0.2357, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

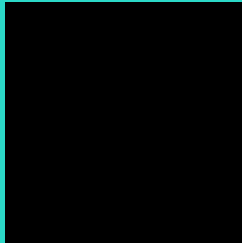
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

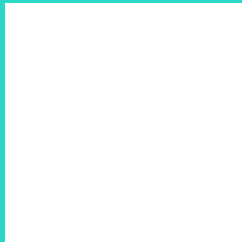
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.7488, 0.2357, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 53.7488, 0.2357, 0.3533.

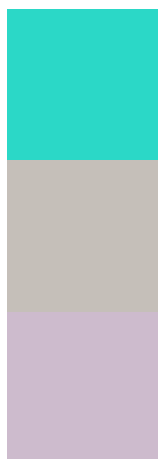


This preview shows how white text looks on a background with the Yxy color 53.7488, 0.2357, 0.3533.

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

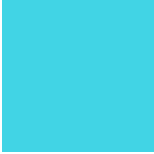
53.7488, 0.2357, 0.3533

Protanopia

52.6347, 0.3222, 0.3364

Deuteranopia

52.9276, 0.3137, 0.3077



Tritanopia

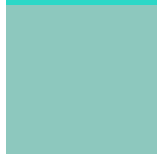
53.8679, 0.2263, 0.3058

Trichromacy



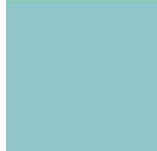
Original Color

53.7488, 0.2357, 0.3533



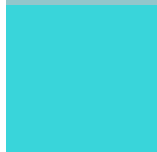
Protanomaly

50.6890, 0.2766, 0.3426



Deuteranomaly

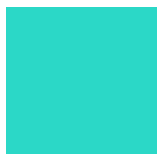
50.8110, 0.2716, 0.3222



Tritanomaly

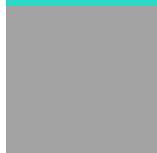
53.5203, 0.2293, 0.3218

Monochromacy



Original Color

53.7488, 0.2357, 0.3533



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

40.4730, 0.2690, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7488, 0.2357, 0.3533 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(43, 216, 199)` looks like.

```
.text, #text, p{  
    color:rgb(43, 216, 199)  
}
```

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(43, 216, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 216, 199) }
```

Border

The CSS property to change the border of an element to Yxy 53.7488, 0.2357, 0.3533 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(43, 216, 199) }
```

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

```
.border{ border-color:rgb(43, 216, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 216, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 216, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 216, 199);  
box-shadow:4px 4px 4px 4px rgb(43, 216,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7488, 0.2357, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 216, 199) }
```

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

```
.background{ background-color: rgb(43, 216,  
199) }
```

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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