

Converting Colors

$Y_{xy}(54.0828, 0.2296, 0.3326)$

Have a look what the booklet for
Yxy(54.0828, 0.2296, 0.3326)
contains.

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Color

Yxy(53.8972, 0.2293, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	2AD7D5
RGB	42, 215, 213
RGB Percent	16%, 84%, 84%
CMY	0.8343, 0.1569, 0.1648
CMYK	0.80, 0.00, 0.01, 0.16
HSL	179°, 68%, 50%
HSV	179°, 80%, 84%
XYZ	37.2697, 53.8972, 71.3699
YIQ	163.0450, -102.4660, -37.2980

Conversions

Conversions Part 2

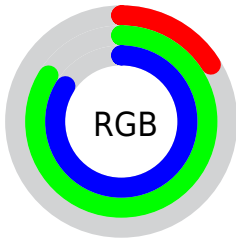
Format	Color
RYP	42, 129, 215
Decimal	2807765
CIELab	78.40, -40.94, -10.97
CIElCh	78, 42.381, 195.003
Yxy	53.8972, 0.2293, 0.3316
Android (android.graphics.Color)	4280997845 (0xFF2AD7D5)
YUV	163.0450, 24.6278, -106.1565
Hunter-Lab	73.4147, -37.8585, -6.2483

Details

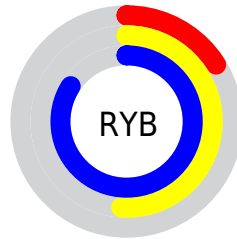
The Yxy color **53.8972, 0.2293, 0.3316** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.3043, 0.5907, 0.3285**, and the grayscale version is **36.6005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **27.2649, 0.2252, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **53.5456, 0.2268, 0.3320**, and if you desaturate by 10%, it is **54.4961, 0.2336, 0.3312**.

Distribution



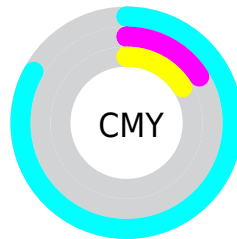
- Red (16%)
- Green (84%)
- Blue (84%)



- Red (16%)
- Yellow (51%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)




- Cyan (83%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8972, 0.2293, 0.3316 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 53.8972, 0.2293, 0.3316 by changing the saturation by 10% instead.


 53.8972, 0.2293,
0.3316

 53.8972, 0.2293,
0.3316


401.7179, 0.2689,
0.3315

 38.5195, 0.2201,
0.3313


 95.9233, 0.2432,
0.3318


 26.3861, 0.2087,
0.3307


 123.3405, 0.2485,
0.3318


 17.1127, 0.1941,
0.3297


 155.5395, 0.2531,
0.3318

 10.3149, 0.1751,
0.3277

 192.9050, 0.2571,
0.3318

 5.6082, 0.1495,
0.3237

 235.8211, 0.2606,
0.3317

 2.6084, 0.1137,
0.3152

284.6724, 0.2637,

 0.9309, 0.0000,

0.3316

0.3143

339.8432, 0.2664,
0.3316

■ 0.0000, 0.0000,
0.0000

■ 53.8972, 0.2293,
0.3316

■ 53.8972, 0.2293,
0.3316

■ 53.5456, 0.2268,
0.3320

■ 54.4961, 0.2336,
0.3312

■ 53.3766, 0.2257,
0.3323

■ 55.3703, 0.2399,
0.3309

■ 56.5505, 0.2480,
0.3305

■ 58.0616, 0.2580,
0.3302

■ 59.9262, 0.2697,
0.3298

■ 62.1647, 0.2828,
0.3295

■ 64.7962, 0.2971,
0.3293

■ 67.8382, 0.3122,
0.3290

■ 71.3074, 0.3279,
0.3288

Harmonies

Analogous

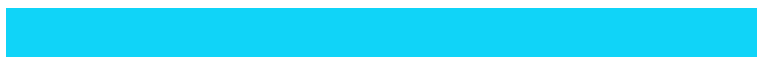
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.8972, 0.2686, 0.3884



53.8972, 0.2293, 0.3316



53.8972, 0.2120, 0.2806

Triad

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



53.8972, 0.2293, 0.3316



53.8972, 0.2953, 0.2510



53.8972, 0.4141, 0.4023

Complementary

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



53.8972, 0.2293, 0.3316



16.3043, 0.5907, 0.3285

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.



53.8972, 0.4250, 0.3613



53.8972, 0.2293, 0.3316



53.8972, 0.3528, 0.2785

Square

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



53.8972, 0.2293, 0.3316



53.8972, 0.2472, 0.2402



53.8972, 0.4022, 0.3174



53.8972, 0.3755, 0.4288

Rectangle

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



53.8972, 0.2293, 0.3316



53.8972, 0.2137, 0.2573



53.8972, 0.4022, 0.3174



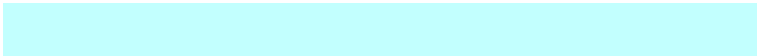
53.8972, 0.4213, 0.3895

Sweetspot

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



53.8992, 0.2293, 0.3316



90.1368, 0.2776, 0.3297



49.3288, 0.3018, 0.5769



19.0423, 0.2729, 0.3298



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.



53.8992, 0.2293, 0.3316



78.6224, 0.2260, 0.3322



21.7717, 0.1937, 0.1969



14.1053, 0.2984, 0.3292



31.9280, 0.2256, 0.3323



1.9266, 0.2255, 0.3316

Inverse Universe

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



16.3043, 0.5907, 0.3285



21.5107, 0.6345, 0.3295



29.4720, 0.5027, 0.4130



12.4231, 0.3289, 0.3288



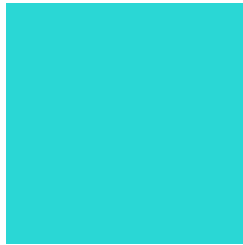
8.6455, 0.6387, 0.3292



0.5223, 0.6344, 0.3268

Previews

White Background



This preview shows how the Yxy color 53.8972, 0.2293, 0.3316 looks on a white background.

Color Contrast Check

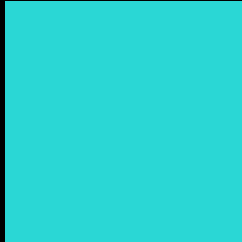
Large Text (above 18pt) WCAG AA × Fail

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 53.8972, 0.2293, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

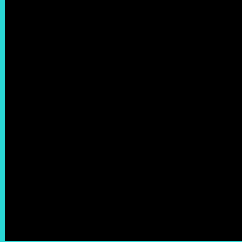
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

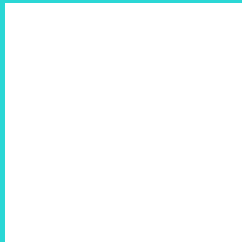
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.8972, 0.2293, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 53.8972, 0.2293, 0.3316.

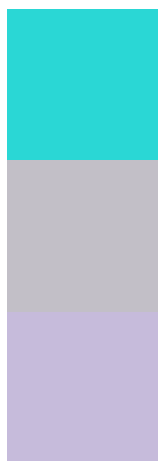


This preview shows how white text looks on a background with the Yxy color 53.8972, 0.2293, 0.3316.

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

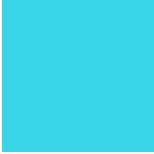
53.8972, 0.2293, 0.3316

Protanopia

52.8545, 0.3091, 0.3192

Deuteranopia

52.6609, 0.2977, 0.2912



Tritanopia

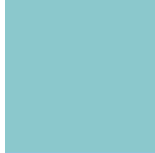
53.6700, 0.2241, 0.3044

Trichromacy



Original Color

53.8972, 0.2293, 0.3316



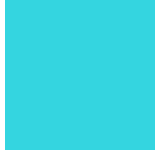
Protanomaly

51.1572, 0.2669, 0.3235



Deuteranomaly

50.6050, 0.2600, 0.3027



Tritanomaly

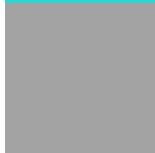
53.7004, 0.2258, 0.3136

Monochromacy



Original Color

53.8972, 0.2293, 0.3316



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.7140, 0.2651, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8972, 0.2293, 0.3316 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(42, 215, 213)` looks like.

```
.text, #text, p{  
    color:rgb(42, 215, 213)  
}
```

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(42, 215, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 215, 213) }
```

Border

The CSS property to change the border of an element to Yxy 53.8972, 0.2293, 0.3316 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(42, 215, 213) }
```

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

```
.border{ border-color:rgb(42, 215, 213) }
```

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

Here you see how a box with a 4 pixel rgb(42, 215, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 215, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 215, 213);  
box-shadow:4px 4px 4px 4px rgb(42, 215,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8972, 0.2293, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 215, 213) }
```

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

```
.background{ background-color: rgb(42, 215,  
213) }
```

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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