

Converting Colors

$Y_{xy}(53.2773, 0.2422, 0.3370)$

Have a look what the booklet for
Yxy(53.2773, 0.2422, 0.3370)
contains.

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Color

Yxy(53.4745, 0.2423, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	55D4CE
RGB	85, 212, 206
RGB Percent	33%, 83%, 81%
CMY	0.6669, 0.1686, 0.1922
CMYK	0.60, 0.00, 0.03, 0.17
HSL	177°, 60%, 58%
HSV	177°, 60%, 83%
XYZ	38.4249, 53.4745, 66.6845
YIQ	173.3430, -73.7660, -28.7900

Conversions

Conversions Part 2

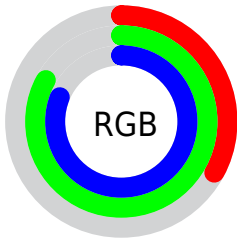
Format	Color
RYB	85, 150, 212
Decimal	5625038
CIELab	78.15, -36.13, -7.51
CIELCh	78, 36.900, 191.742
Yxy	53.4745, 0.2423, 0.3372
Android (android.graphics.Color)	4283815118 (0xFF55D4CE)
YUV	173.3430, 16.0999, -77.4768
Hunter-Lab	73.1263, -34.1764, -2.8787

Details

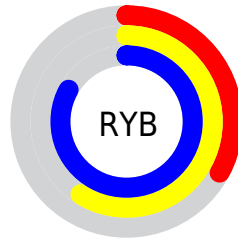
The Yxy color **53.4745, 0.2423, 0.3372** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.2398, 0.4906, 0.3228**, and the grayscale version is **41.9099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **26.3809, 0.2273, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **52.5808, 0.2362, 0.3388**, and if you desaturate by 10%, it is **54.6697, 0.2503, 0.3357**.

Distribution



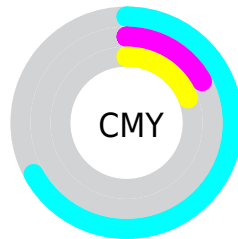
- Red (33%)
- Green (83%)
- Blue (81%)



- Red (33%)
- Yellow (59%)
- Blue (83%)



- Cyan (60%)
- Magenta (0%)
- Yellow (3%)
- Black (17%)



- Cyan (67%)
- Magenta (17%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.4745, 0.2423, 0.3372 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 53.4745, 0.2423, 0.3372 by changing the saturation by 10% instead.


 53.4745, 0.2423,
0.3372


 53.4745, 0.2423,
0.3372


400.1029, 0.2760,
0.3340


 38.1817, 0.2344,
0.3378


 95.3022, 0.2542,
0.3362


 26.1237, 0.2244,
0.3384


 122.6059, 0.2588,
0.3358

 16.9162, 0.2117,
0.3389

 154.6821, 0.2627,
0.3354

 10.1748, 0.1947,
0.3393

 191.9150, 0.2661,
0.3350

 5.5150, 0.1714,
0.3391

234.6892, 0.2690,
0.3347

 2.5525, 0.1375,
0.3368

283.3890, 0.2716,

 0.9028, 0.0000,

0.3344

0.3584

338.3988, 0.2739,
0.3342

0.0000, 0.0000,
0.0000

53.4745, 0.2423,
0.3372

53.4745, 0.2423,
0.3372

52.5808, 0.2362,
0.3388

54.6697, 0.2503,
0.3357

51.9549, 0.2320,
0.3403

56.1844, 0.2601,
0.3342

51.5664, 0.2297,
0.3419

58.0423, 0.2715,
0.3327

51.3565, 0.2287,
0.3434

60.2629, 0.2843,
0.3314

51.3554, 0.2287,
0.3434

62.8647, 0.2982,
0.3301

■ 65.8647, 0.3128,
0.3290

■ 69.2788, 0.3279,
0.3280

■ 73.1221, 0.3433,
0.3270

■ 73.2601, 0.3429,
0.3260

Harmonies

Analogous

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



53.4745, 0.2791, 0.3850



53.4745, 0.2423, 0.3372



53.4745, 0.2243, 0.2914

Triad

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



53.4745, 0.2423, 0.3372



53.4745, 0.2925, 0.2580



53.4745, 0.4041, 0.3908

Complementary

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



53.4745, 0.2423, 0.3372



21.2398, 0.4906, 0.3228

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.



53.4745, 0.4100, 0.3543



53.4745, 0.2423, 0.3372



53.4745, 0.3426, 0.2811

Square

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



53.4745, 0.2423, 0.3372



53.4745, 0.2514, 0.2504



53.4745, 0.3870, 0.3152



53.4745, 0.3728, 0.4149

Rectangle

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



53.4745, 0.2423, 0.3372



53.4745, 0.2242, 0.2691



53.4745, 0.3870, 0.3152



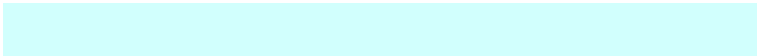
53.4745, 0.4092, 0.3794

Sweetspot

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



53.4765, 0.2423, 0.3372



92.1707, 0.2867, 0.3312



49.9860, 0.3070, 0.5197



19.4971, 0.2827, 0.3315



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.



53.4765, 0.2423, 0.3372



79.5475, 0.2348, 0.3392



30.0672, 0.2202, 0.2424



14.0972, 0.2989, 0.3301



31.7050, 0.2287, 0.3432



1.9155, 0.2279, 0.3405

Inverse Universe

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



21.2398, 0.4906, 0.3228



26.3981, 0.5504, 0.3231



34.0349, 0.4494, 0.3974



12.4302, 0.3284, 0.3279



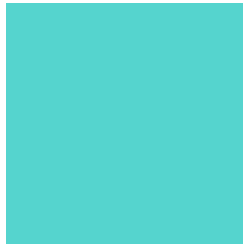
8.6588, 0.6346, 0.3270



0.5257, 0.6179, 0.3177

Previews

White Background



This preview shows how the Yxy color 53.4745, 0.2423, 0.3372 looks on a white background.

Color Contrast Check

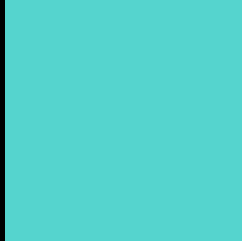
Large Text (above 18pt) WCAG AA × Fail

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 53.4745, 0.2423, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

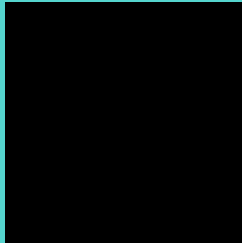
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

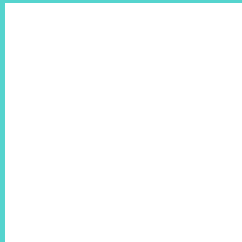
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.4745, 0.2423, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 53.4745, 0.2423, 0.3372.

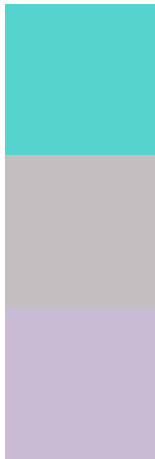


This preview shows how white text looks on a background with the Yxy color 53.4745, 0.2423, 0.3372.

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

53.4745, 0.2423, 0.3372

Protanopia

52.7140, 0.3145, 0.3265

Deuteranopia

52.6613, 0.3059, 0.3005



Tritanopia

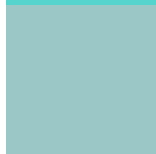
53.4191, 0.2351, 0.3060

Trichromacy



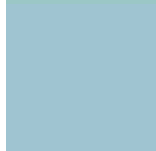
Original Color

53.4745, 0.2423, 0.3372



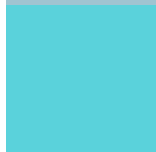
Protanomaly

51.8926, 0.2809, 0.3302



Deuteranomaly

51.4542, 0.2763, 0.3121



Tritanomaly

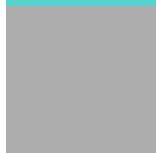
53.3813, 0.2375, 0.3165

Monochromacy



Original Color

53.4745, 0.2423, 0.3372



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.7062, 0.2783, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4745, 0.2423, 0.3372 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(85, 212, 206)` looks like.

```
.text, #text, p{  
    color:rgb(85, 212, 206)  
}
```

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(85, 212, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 212, 206) }
```

Border

The CSS property to change the border of an element to Yxy 53.4745, 0.2423, 0.3372 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(85, 212, 206) }
```

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

```
.border{ border-color:rgb(85, 212, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 212, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 212, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 212, 206);  
box-shadow:4px 4px 4px 4px rgb(85, 212,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4745, 0.2423, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 212, 206) }
```

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

```
.background{ background-color: rgb(85, 212,  
206) }
```

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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