

Converting Colors

Yxy(50.4134, 0.2442, 0.3427)

Have a look what the booklet for
Yxy(50.4134, 0.2442, 0.3427)
contains.

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Color

Yxy(50.4959, 0.2444, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	53CFC5
RGB	83, 207, 197
RGB Percent	33%, 81%, 77%
CMY	0.6745, 0.1882, 0.2274
CMYK	0.60, 0.00, 0.05, 0.19
HSL	175°, 56%, 57%
HSV	175°, 60%, 81%
XYZ	35.9592, 50.4959, 60.6775
YIQ	168.7840, -70.6940, -29.3980

Conversions

Conversions Part 2

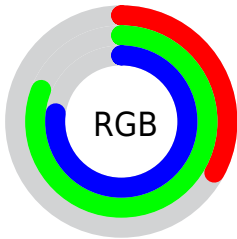
Format	Color
RYB	83, 148, 207
Decimal	5492677
CIELab	76.37, -36.53, -5.32
CIElCh	76, 36.917, 188.286
Yxy	50.4959, 0.2444, 0.3432
Android (android.graphics.Color)	4283682757 (0xFF53CFC5)
YUV	168.7840, 13.9105, -75.2326
Hunter-Lab	71.0605, -34.0283, -0.8845

Details

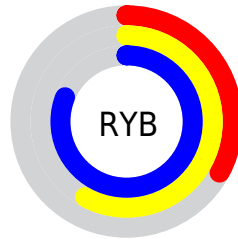
The Yxy color **50.4959, 0.2444, 0.3432** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.2451, 0.4836, 0.3179**, and the grayscale version is **39.5230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6050, 0.2541, 0.3299**, and **24.4396, 0.2297, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **49.6164, 0.2385, 0.3459**, and if you desaturate by 10%, it is **51.6611, 0.2522, 0.3405**.

Distribution



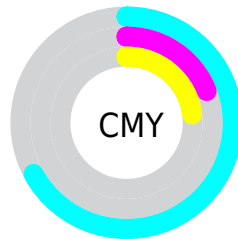
- Red (33%)
- Green (81%)
- Blue (77%)



- Red (33%)
- Yellow (58%)
- Blue (81%)



- Cyan (60%)
- Magenta (0%)
- Yellow (5%)
- Black (19%)



- Cyan (67%)
- Magenta (19%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4959, 0.2444, 0.3432 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 50.4959, 0.2444, 0.3432 by changing the saturation by 10% instead.


 50.4959, 0.2444,
0.3432

 50.4959, 0.2444,
0.3432


388.6021, 0.2775,
0.3368

 35.8076, 0.2365,
0.3446


 90.9092, 0.2562,
0.3410


 24.2856, 0.2265,
0.3462


 117.4030, 0.2607,
0.3402

 15.5456, 0.2136,
0.3482


 148.6007, 0.2645,
0.3394

 9.2032, 0.1962,
0.3506

 184.8867, 0.2678,
0.3388

 4.8740, 0.1719,
0.3532

226.6455, 0.2707,
0.3382

 2.1735, 0.1359,
0.3555

274.2613, 0.2733,

 0.7055, 0.0000,

0.3377

0.3800

328.1187, 0.2755,
0.3372

0.0000, 0.0000,
0.0000

50.4959, 0.2444,
0.3432

50.4959, 0.2444,
0.3432

49.6164, 0.2385,
0.3459

51.6611, 0.2522,
0.3405

48.9910, 0.2345,
0.3487

53.1290, 0.2617,
0.3379

48.5909, 0.2324,
0.3514

54.9218, 0.2729,
0.3354

48.3602, 0.2317,
0.3541

57.0582, 0.2853,
0.3331

48.3581, 0.2317,
0.3541

59.5553, 0.2987,
0.3310

■ 62.4292, 0.3129,
0.3290

■ 65.6950, 0.3275,
0.3272

■ 69.3670, 0.3423,
0.3256

■ 70.6414, 0.3460,
0.3240

Harmonies

Analogous

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



50.4959, 0.2836, 0.3910



50.4959, 0.2444, 0.3432



50.4959, 0.2238, 0.2953

Triad

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



50.4959, 0.2444, 0.3432



50.4959, 0.2866, 0.2550



50.4959, 0.4080, 0.3879

Complementary

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



50.4959, 0.2444, 0.3432



20.2451, 0.4836, 0.3179

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.



50.4959, 0.4107, 0.3500



50.4959, 0.2444, 0.3432



50.4959, 0.3372, 0.2769

Square

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



50.4959, 0.2444, 0.3432



50.4959, 0.2465, 0.2492



50.4959, 0.3841, 0.3105



50.4959, 0.3786, 0.4147

Rectangle

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



50.4959, 0.2444, 0.3432



50.4959, 0.2219, 0.2713



50.4959, 0.3841, 0.3105



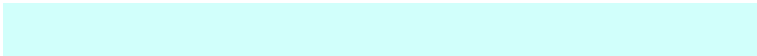
50.4959, 0.4122, 0.3760

Sweetspot

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



50.4978, 0.2444, 0.3432



92.0738, 0.2875, 0.3327



47.5968, 0.3093, 0.5179



19.4731, 0.2836, 0.3334



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.



50.4978, 0.2444, 0.3432



79.1778, 0.2371, 0.3467



29.9011, 0.2219, 0.2494



13.3900, 0.2994, 0.3309



30.4737, 0.2316, 0.3537



1.7089, 0.2302, 0.3488

Inverse Universe

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



20.2451, 0.4836, 0.3179



26.4927, 0.5428, 0.3181



31.1282, 0.4526, 0.3923



11.8235, 0.3278, 0.3272



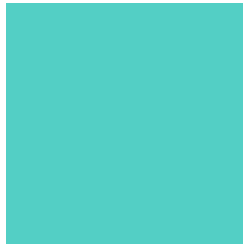
8.3883, 0.6304, 0.3247



0.4745, 0.6018, 0.3089

Previews

White Background



This preview shows how the Yxy color 50.4959, 0.2444, 0.3432 looks on a white background.

Color Contrast Check

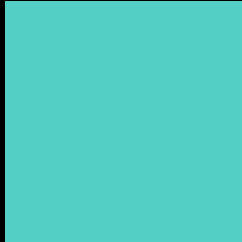
Large Text (above 18pt) WCAG AA × Fail

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 50.4959, 0.2444, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

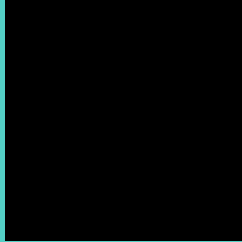
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

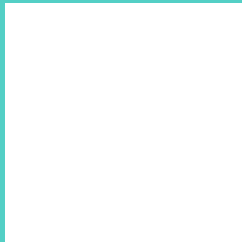
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.4959, 0.2444, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 50.4959, 0.2444, 0.3432.

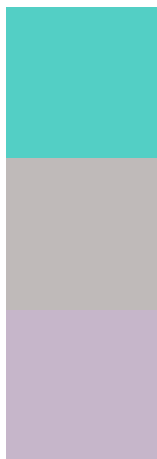


This preview shows how white text looks on a background with the Yxy color 50.4959, 0.2444, 0.3432.

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

50.4959, 0.2444, 0.3432

Protanopia

49.6970, 0.3177, 0.3303

Deuteranopia

49.7259, 0.3105, 0.3047



Tritanopia

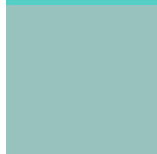
50.6802, 0.2363, 0.3069

Trichromacy



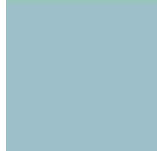
Original Color

50.4959, 0.2444, 0.3432



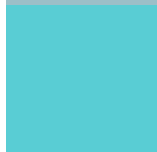
Protanomaly

48.9331, 0.2842, 0.3357



Deuteranomaly

48.4997, 0.2795, 0.3170



Tritanomaly

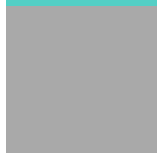
50.5400, 0.2388, 0.3190

Monochromacy



Original Color

50.4959, 0.2444, 0.3432



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.5249, 0.2798, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4959, 0.2444, 0.3432 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(83, 207, 197)` looks like.

```
.text, #text, p{  
    color:rgb(83, 207, 197)  
}
```

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(83, 207, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 207, 197) }
```

Border

The CSS property to change the border of an element to Yxy 50.4959, 0.2444, 0.3432 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(83, 207, 197) }
```

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

```
.border{ border-color:rgb(83, 207, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 207, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 207, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 207, 197);  
box-shadow:4px 4px 4px 4px rgb(83, 207,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4959, 0.2444, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 207, 197) }
```

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

```
.background{ background-color: rgb(83, 207,  
197) }
```

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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