

Converting Colors

$Yxy(54.9252, 0.2444, 0.3458)$

Have a look what the booklet for
Yxy(54.9252, 0.2444, 0.3458)
contains.

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Color

Yxy(54.7975, 0.2443, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	54D7CB
RGB	84, 215, 203
RGB Percent	33%, 84%, 80%
CMY	0.6705, 0.1568, 0.2040
CMYK	0.61, 0.00, 0.06, 0.16
HSL	174°, 62%, 59%
HSV	174°, 61%, 84%
XYZ	38.7356, 54.7975, 65.0245
YIQ	174.4630, -74.2240, -31.5040

Conversions

Conversions Part 2

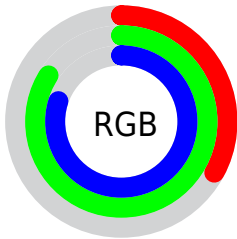
Format	Color
R_{YB}	84, 153, 215
Decimal	5560267
CIE _{Lab}	78.92, -38.45, -4.76
CIE _{LCh}	79, 38.747, 187.057
Yxy	54.7975, 0.2443, 0.3456
Android (android.graphics.Color)	4283750347 (0xFF54D7CB)
YUV	174.4630, 14.0687, -79.3361
Hunter-Lab	74.0253, -36.1397, -0.2631

Details

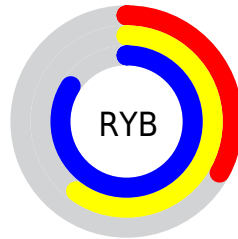
The Yxy color **54.7975, 0.2443, 0.3456** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.6373, 0.4867, 0.3161**, and the grayscale version is **42.5364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **27.3115, 0.2305, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **53.8614, 0.2387, 0.3487**, and if you desaturate by 10%, it is **56.0435, 0.2518, 0.3425**.

Distribution



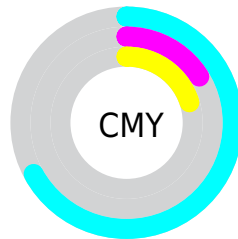
- Red (33%)
- Green (84%)
- Blue (80%)



- Red (33%)
- Yellow (60%)
- Blue (84%)



- Cyan (61%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)





- Cyan (67%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.7975, 0.2443, 0.3456 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 54.7975, 0.2443, 0.3456 by changing the saturation by 10% instead.


 54.7975, 0.2443,
0.3456


 54.7975, 0.2443,
0.3456


405.1439, 0.2770,
0.3381


 39.2396, 0.2366,
0.3472


 97.2442, 0.2559,
0.3430

 26.9462, 0.2269,
0.3492

 124.9018, 0.2603,
0.3420

 17.5328, 0.2145,
0.3516


 157.3614, 0.2641,
0.3412

 10.6151, 0.1980,
0.3546

 195.0075, 0.2674,
0.3404

 5.8087, 0.1753,
0.3582

238.2244, 0.2703,
0.3397

 2.7291, 0.1421,
0.3623

287.3965, 0.2728,

 0.9920, 0.0001,

0.3391

0.4012

342.9082, 0.2750,
0.3386

0.0000, 0.0000,
0.0000

54.7975, 0.2443,
0.3456

54.7975, 0.2443,
0.3456

53.8614, 0.2387,
0.3487

56.0435, 0.2518,
0.3425

53.1998, 0.2350,
0.3519

57.6181, 0.2611,
0.3395

52.7806, 0.2332,
0.3550

59.5463, 0.2720,
0.3367

52.5552, 0.2327,
0.3578

61.8484, 0.2842,
0.3340

64.5437, 0.2974,
0.3315

■ 67.6498, 0.3114,
0.3292

■ 71.1834, 0.3259,
0.3271

■ 74.9649, 0.3397,
0.3253

■ 75.0693, 0.3383,
0.3233

Harmonies

Analogous

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



54.7975, 0.2849, 0.3941



54.7975, 0.2443, 0.3456



54.7975, 0.2225, 0.2963

Triad

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



54.7975, 0.2443, 0.3456



54.7975, 0.2840, 0.2530



54.7975, 0.4107, 0.3875

Complementary

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



54.7975, 0.2443, 0.3456



21.6373, 0.4867, 0.3161

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.



54.7975, 0.4122, 0.3486



54.7975, 0.2443, 0.3456



54.7975, 0.3355, 0.2747

Square

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



54.7975, 0.2443, 0.3456



54.7975, 0.2439, 0.2478



54.7975, 0.3840, 0.3085



54.7975, 0.3815, 0.4158

Rectangle

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



54.7975, 0.2443, 0.3456



54.7975, 0.2200, 0.2713



54.7975, 0.3840, 0.3085



54.7975, 0.4146, 0.3752

Sweetspot

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



54.7996, 0.2443, 0.3456



92.0416, 0.2877, 0.3333



51.7912, 0.3103, 0.5210



19.4651, 0.2839, 0.3340



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.



54.7996, 0.2443, 0.3456



78.9480, 0.2375, 0.3496



32.8491, 0.2212, 0.2509



14.0873, 0.2995, 0.3311



31.4415, 0.2326, 0.3574



1.9023, 0.2311, 0.3520

Inverse Universe

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



21.6373, 0.4867, 0.3161



26.1686, 0.5448, 0.3165



32.8137, 0.4582, 0.3906



12.4391, 0.3277, 0.3269



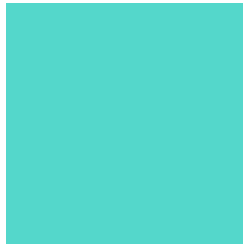
8.6775, 0.6290, 0.3238



0.5299, 0.5988, 0.3072

Previews

White Background



This preview shows how the Yxy color 54.7975, 0.2443, 0.3456 looks on a white background.

Color Contrast Check

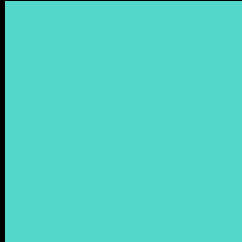
Large Text (above 18pt) WCAG AA × Fail

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 54.7975, 0.2443, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

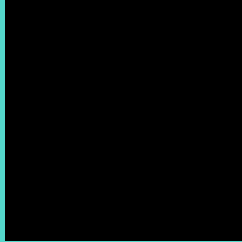
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

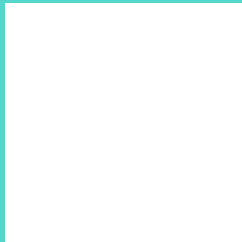
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.7975, 0.2443, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 54.7975, 0.2443, 0.3456.

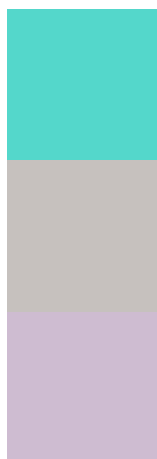


This preview shows how white text looks on a background with the Yxy color 54.7975, 0.2443, 0.3456.

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

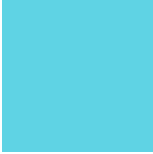
54.7975, 0.2443, 0.3456

Protanopia

53.8634, 0.3190, 0.3327

Deuteranopia

53.6917, 0.3114, 0.3043



Tritanopia

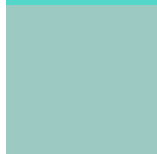
54.6229, 0.2356, 0.3062

Trichromacy



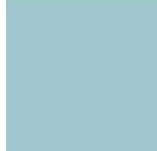
Original Color

54.7975, 0.2443, 0.3456



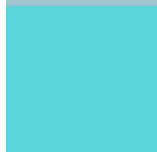
Protanomaly

52.8815, 0.2843, 0.3368



Deuteranomaly

52.5745, 0.2798, 0.3173



Tritanomaly

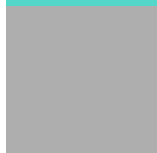
54.4256, 0.2385, 0.3193

Monochromacy



Original Color

54.7975, 0.2443, 0.3456



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.5607, 0.2786, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7975, 0.2443, 0.3456 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(84, 215, 203)` looks like.

```
.text, #text, p{  
    color:rgb(84, 215, 203)  
}
```

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(84, 215, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 215, 203) }
```

Border

The CSS property to change the border of an element to Yxy 54.7975, 0.2443, 0.3456 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(84, 215, 203) }
```

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

```
.border{ border-color:rgb(84, 215, 203) }
```

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

Here you see how a box with a 4 pixel rgb(84, 215, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 215, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 215, 203);  
box-shadow:4px 4px 4px 4px rgb(84, 215,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7975, 0.2443, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 215, 203) }
```

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

```
.background{ background-color: rgb(84, 215,  
203) }
```

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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