

Converting Colors

$Yxy(52.3458, 0.2453, 0.3462)$

Have a look what the booklet for
Yxy(52.3458, 0.2453, 0.3462)
contains.

Yxy(52.5506, 0.2455, 0.3473)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.5506, 0.2455, 0.3473)

Conversions

Conversions Part 1

Format	Color
Hex	54D3C6
RGB	84, 211, 198
RGB Percent	33%, 83%, 78%
CMY	0.6704, 0.1726, 0.2235
CMYK	0.60, 0.00, 0.06, 0.17
HSL	174°, 59%, 58%
HSV	174°, 60%, 83%
XYZ	37.1471, 52.5506, 61.6142
YIQ	171.5450, -71.5190, -30.9670

Conversions

Conversions Part 2

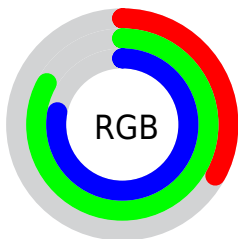
Format	Color
RYB	84, 151, 211
Decimal	5559238
CIELab	77.61, -37.92, -4.03
CIELCh	78, 38.135, 186.068
Yxy	52.5506, 0.2455, 0.3473
Android (android.graphics.Color)	4283749318 (0xFF54D3C6)
YUV	171.5450, 13.0423, -76.7770
Hunter-Lab	72.4918, -35.3917, 0.3509

Details

The Yxy color **52.5506, 0.2455, 0.3473** 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 **21.0615, 0.4809, 0.3146**, and the grayscale version is **40.9811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **25.7906, 0.2312, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **51.6216, 0.2398, 0.3508**, and if you desaturate by 10%, it is **53.7783, 0.2531, 0.3439**.

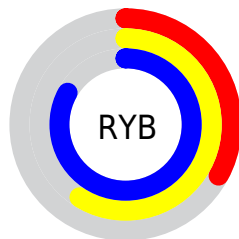
Distribution



Red (33%)

Green (83%)

Blue (78%)



Red (33%)

Yellow (59%)

Blue (83%)

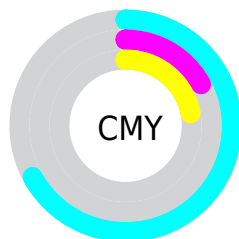


Cyan (60%)

Magenta (0%)

Yellow (6%)

Black (17%)



Cyan (67%)


Magenta (17%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5506, 0.2455, 0.3473 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 52.5506, 0.2455, 0.3473 by changing the saturation by 10% instead.


 52.5506, 0.2455,
0.3473

 52.5506, 0.2455,
0.3473


396.5586, 0.2779,
0.3388


 37.4441, 0.2378,
0.3492


 93.9428, 0.2570,
0.3444

 25.5516, 0.2281,
0.3515


 120.9972, 0.2614,
0.3432

 16.4885, 0.2155,
0.3544


 152.8032, 0.2652,
0.3423

 9.8705, 0.1988,
0.3581

 189.7450, 0.2684,
0.3414

 5.3131, 0.1754,
0.3627

232.2070, 0.2713,
0.3406

 2.4321, 0.1409,
0.3684

280.5737, 0.2738,

 0.8424, 0.0000,

0.3400

0.4087

335.2294, 0.2760,
0.3394

0.0000, 0.0000,
0.0000

52.5506, 0.2455,
0.3473

52.5506, 0.2455,
0.3473

51.6216, 0.2398,
0.3508

53.7783, 0.2531,
0.3439

50.9580, 0.2361,
0.3544

55.3224, 0.2624,
0.3405

50.5295, 0.2341,
0.3579

57.2065, 0.2733,
0.3373

50.2795, 0.2337,
0.3613

59.4501, 0.2855,
0.3343

62.0712, 0.2986,
0.3316

■ 65.0868, 0.3125,
0.3290

■ 68.5126, 0.3268,
0.3268

■ 72.3636, 0.3413,
0.3247

■ 72.8806, 0.3413,
0.3226

Harmonies

Analogous

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



52.5506, 0.2865, 0.3953



52.5506, 0.2455, 0.3473



52.5506, 0.2230, 0.2978

Triad

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



52.5506, 0.2455, 0.3473



52.5506, 0.2825, 0.2527



52.5506, 0.4110, 0.3863

Complementary

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



52.5506, 0.2455, 0.3473



21.0615, 0.4809, 0.3146

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.



52.5506, 0.4116, 0.3472



52.5506, 0.2455, 0.3473



52.5506, 0.3337, 0.2739

Square

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



52.5506, 0.2455, 0.3473



52.5506, 0.2430, 0.2481



52.5506, 0.3825, 0.3073



52.5506, 0.3827, 0.4150

Rectangle

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



52.5506, 0.2455, 0.3473



52.5506, 0.2201, 0.2724



52.5506, 0.3825, 0.3073



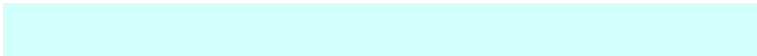
52.5506, 0.4146, 0.3739

Sweetspot

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



52.5526, 0.2455, 0.3473



92.0110, 0.2880, 0.3338



49.8738, 0.3117, 0.5177



19.4575, 0.2842, 0.3346



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.



52.5526, 0.2455, 0.3473



78.9430, 0.2386, 0.3517



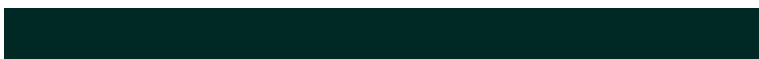
32.5497, 0.2230, 0.2556



13.3854, 0.2997, 0.3314



30.3530, 0.2336, 0.3608



1.7033, 0.2318, 0.3543

Inverse Universe

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



21.0615, 0.4809, 0.3146



26.5590, 0.5377, 0.3147



31.1869, 0.4574, 0.3875



11.8276, 0.3275, 0.3267



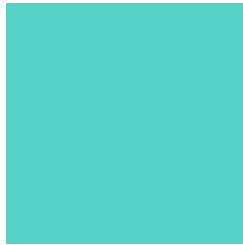
8.3990, 0.6271, 0.3228



0.4765, 0.5924, 0.3037

Previews

White Background



This preview shows how the Yxy color 52.5506, 0.2455, 0.3473 looks on a white background.

Color Contrast Check

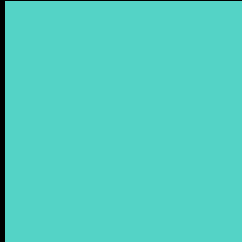
Large Text (above 18pt) WCAG AA × Fail

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 52.5506, 0.2455, 0.3473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

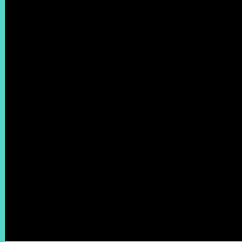
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

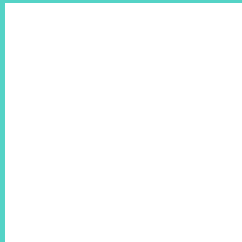
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.5506, 0.2455, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 52.5506, 0.2455, 0.3473.

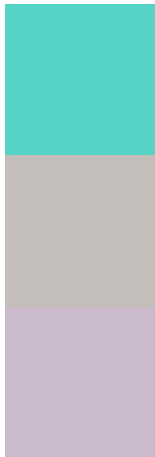


This preview shows how white text looks on a background with the Yxy color 52.5506, 0.2455, 0.3473.

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

52.5506, 0.2455, 0.3473

Protanopia

51.9742, 0.3199, 0.3340

Deuteranopia

51.7541, 0.3130, 0.3063



Tritanopia

52.4404, 0.2362, 0.3059

Trichromacy



Original Color

52.5506, 0.2455, 0.3473



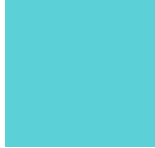
Protanomaly

51.0744, 0.2860, 0.3396



Deuteranomaly

50.3214, 0.2813, 0.3185



Tritanomaly

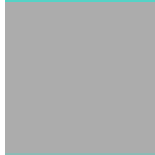
52.2422, 0.2391, 0.3192

Monochromacy



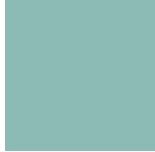
Original Color

52.5506, 0.2455, 0.3473



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

44.0295, 0.2802, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5506, 0.2455, 0.3473 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, 211, 198)` looks like.

```
.text, #text, p{  
    color:rgb(84, 211, 198)  
}
```

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, 211, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 211, 198) }
```

Border

The CSS property to change the border of an element to Yxy 52.5506, 0.2455, 0.3473 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, 211, 198) }
```

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

```
.border{ border-color:rgb(84, 211, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 211, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 211, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 211, 198);  
box-shadow:4px 4px 4px 4px rgb(84, 211,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5506, 0.2455, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 211, 198) }
```

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

```
.background{ background-color: rgb(84, 211,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor