

Converting Colors

$Y_{xy}(52.7681, 0.2565, 0.3316)$

Have a look what the booklet for
Yxy(52.7681, 0.2565, 0.3316)
contains.

Yxy(52.9554, 0.2563, 0.3316)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.9554, 0.2563, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	77CFCD
RGB	119, 207, 205
RGB Percent	47%, 81%, 80%
CMY	0.5336, 0.1882, 0.1961
CMYK	0.43, 0.00, 0.01, 0.19
HSL	179°, 48%, 64%
HSV	179°, 43%, 81%
XYZ	40.9302, 52.9554, 65.8110
YIQ	180.4600, -51.8060, -19.2780

Conversions

Conversions Part 2

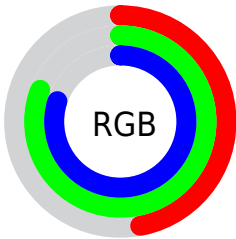
Format	Color
R _{YB}	119, 164, 207
Decimal	7851981
CIE _{Lab}	77.85, -26.94, -7.29
CIE _{LCh}	78, 27.913, 195.143
Y _{xy}	52.9554, 0.2563, 0.3316
Android (android.graphics.Color)	4286042061 (0xFF77CFCD)
YUV	180.4600, 12.0982, -53.9004
Hunter-Lab	72.7705, -26.9498, -2.6804

Details

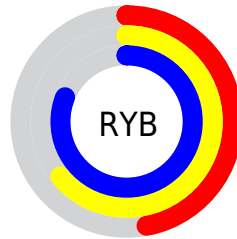
The Yxy color **52.9554, 0.2563, 0.3316** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.8228, 0.4201, 0.3267**, and the grayscale version is **45.8477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **25.7150, 0.2418, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **51.6269, 0.2468, 0.3323**, and if you desaturate by 10%, it is **54.6070, 0.2675, 0.3309**.

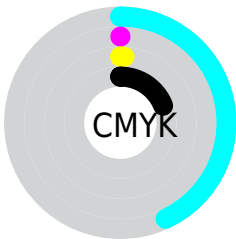
Distribution



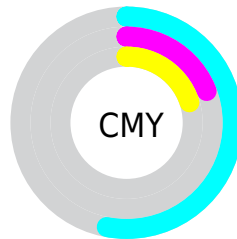
- Red (47%)
- Green (81%)
- Blue (80%)



- Red (47%)
- Yellow (64%)
- Blue (81%)



- Cyan (43%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)





- Cyan (53%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9554, 0.2563, 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 52.9554, 0.2563, 0.3316 by changing the saturation by 10% instead.


 52.9554, 0.2563,
0.3316


 52.9554, 0.2563,
0.3316


398.1140, 0.2835,
0.3309

 37.7672, 0.2498,
0.3316


 94.5387, 0.2659,
0.3314

 25.8020, 0.2417,
0.3316

 121.7026, 0.2696,
0.3314

 16.6756, 0.2312,
0.3314


 153.6272, 0.2728,
0.3313

 10.0035, 0.2172,
0.3309

190.6968, 0.2755,
0.3312

 5.4013, 0.1975,
0.3296

233.2959, 0.2779,
0.3311

 2.4846, 0.1681,
0.3262

281.8089, 0.2800,

 0.8689, 0.0651,

0.3310

336.6201, 0.2818,
0.3309

0.3366

0.0000, 0.0000,
0.0000

52.9554, 0.2563,
0.3316

52.9554, 0.2563,
0.3316

51.6269, 0.2468,
0.3323

54.6070, 0.2675,
0.3309

50.5944, 0.2391,
0.3330

56.5946, 0.2802,
0.3303

49.8366, 0.2333,
0.3338


58.9377, 0.2941,
0.3297

49.3264, 0.2295,
0.3345

61.6528, 0.3088,
0.3291

49.0315, 0.2274,
0.3353


64.7551, 0.3242,
0.3286

 48.9096, 0.2266,
0.3358

 68.2592, 0.3399,
0.3282

 70.4641, 0.3488,
0.3278

 70.4877, 0.3484,
0.3273

 70.5114, 0.3481,
0.3268

Harmonies

Analogous

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



52.9554, 0.2837, 0.3672



52.9554, 0.2563, 0.3316



52.9554, 0.2437, 0.2978

Triad

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



52.9554, 0.2563, 0.3316



52.9554, 0.3019, 0.2752



52.9554, 0.3807, 0.3800

Complementary

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



52.9554, 0.2563, 0.3316



27.8228, 0.4201, 0.3267

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.



52.9554, 0.3870, 0.3531



52.9554, 0.2563, 0.3316



52.9554, 0.3400, 0.2947

Square

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



52.9554, 0.2563, 0.3316



52.9554, 0.2688, 0.2680



52.9554, 0.3719, 0.3224



52.9554, 0.3557, 0.3952

Rectangle

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



52.9554, 0.2563, 0.3316



52.9554, 0.2448, 0.2813



52.9554, 0.3719, 0.3224



52.9554, 0.3851, 0.3719

Sweetspot

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



52.9575, 0.2563, 0.3316



94.1967, 0.2932, 0.3297



50.0914, 0.3085, 0.4593



19.9733, 0.2900, 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.



52.9575, 0.2563, 0.3316



82.9044, 0.2476, 0.3322



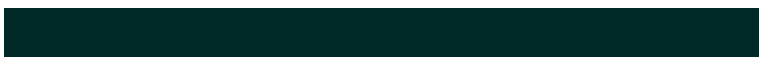
35.6610, 0.2454, 0.2694



13.4022, 0.2986, 0.3295



30.8116, 0.2266, 0.3357



1.7243, 0.2262, 0.3344

Inverse Universe

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



27.8228, 0.4201, 0.3267



37.4718, 0.4570, 0.3264



39.7513, 0.3992, 0.3811



11.8126, 0.3287, 0.3285



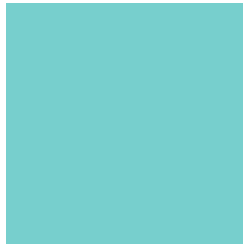
8.3663, 0.6373, 0.3285



0.4694, 0.6285, 0.3236

Previews

White Background



This preview shows how the Yxy color 52.9554, 0.2563, 0.3316 looks on a white background.

Color Contrast Check

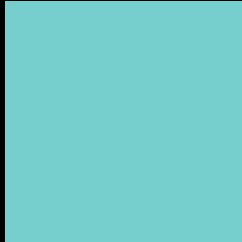
Large Text (above 18pt) WCAG AA × Fail

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 52.9554, 0.2563, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

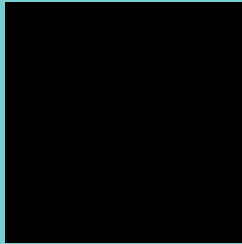
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

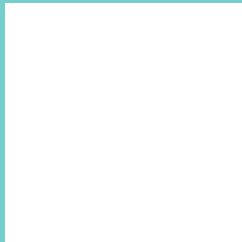
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.9554, 0.2563, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 52.9554, 0.2563, 0.3316.



This preview shows how white text looks on a background with the Yxy color 52.9554, 0.2563, 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

52.9554, 0.2563, 0.3316

Protanopia

52.2364, 0.3122, 0.3228

Deuteranopia

52.2778, 0.3083, 0.3017



Tritanopia

53.1682, 0.2500, 0.3078

Trichromacy



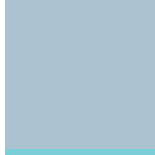
Original Color

52.9554, 0.2563, 0.3316



Protanomaly

51.8189, 0.2885, 0.3251



Deuteranomaly

51.9083, 0.2859, 0.3112



Tritanomaly

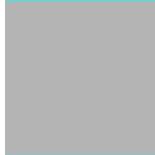
53.1865, 0.2524, 0.3168

Monochromacy



Original Color

52.9554, 0.2563, 0.3316



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

47.7701, 0.2883, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9554, 0.2563, 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(119, 207, 205)` looks like.

```
.text, #text, p{  
    color:rgb(119, 207, 205)  
}
```

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(119, 207, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 207, 205) }
```

Border

The CSS property to change the border of an element to Yxy 52.9554, 0.2563, 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(119, 207, 205) }
```

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

```
.border{ border-color:rgb(119, 207, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 207, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 207, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 207, 205);  
box-shadow:4px 4px 4px 4px rgb(119, 207,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9554, 0.2563, 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(119, 207, 205) }
```

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

```
.background{ background-color: rgb(119,  
207, 205) }
```

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