

Converting Colors

$Y_{xy}(52.7763, 0.2651, 0.3335)$

Have a look what the booklet for
Yxy(52.7763, 0.2651, 0.3335)
contains.

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Color

Yxy(52.7852, 0.2653, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	84CDC9
RGB	132, 205, 201
RGB Percent	52%, 80%, 79%
CMY	0.4822, 0.1961, 0.2119
CMYK	0.36, 0.00, 0.02, 0.20
HSL	177°, 42%, 66%
HSV	177°, 36%, 80%
XYZ	41.8903, 52.7852, 63.2222
YIQ	182.7170, -42.2240, -16.7200

Conversions

Conversions Part 2

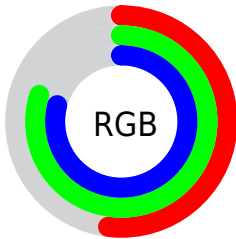
Format	Color
RYB	132, 170, 205
Decimal	8703433
CIELab	77.75, -23.58, -5.22
CIElCh	78, 24.151, 192.478
Yxy	52.7852, 0.2653, 0.3343
Android (android.graphics.Color)	4286893513 (0xFF84CDC9)
YUV	182.7170, 9.0135, -44.4788
Hunter-Lab	72.6534, -24.2246, -0.7361

Details

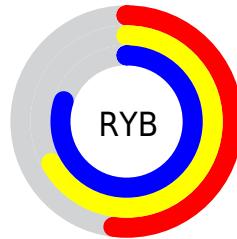
The Yxy color **52.7852, 0.2653, 0.3343** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.2694, 0.3925, 0.3240**, and the grayscale version is **47.1615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **25.8595, 0.2532, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **51.2403, 0.2548, 0.3360**, and if you desaturate by 10%, it is **54.6595, 0.2772, 0.3327**.

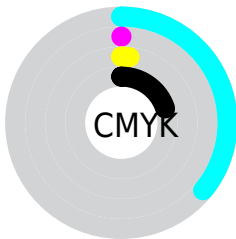
Distribution



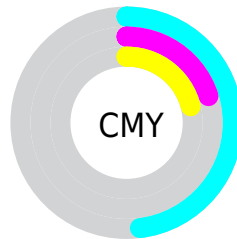
- Red (52%)
- Green (80%)
- Blue (79%)



- Red (52%)
- Yellow (67%)
- Blue (80%)



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)




- Cyan (48%)
- Magenta (20%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7852, 0.2653, 0.3343 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 52.7852, 0.2653, 0.3343 by changing the saturation by 10% instead.

 52.7852, 0.2653,
0.3343

 52.7852, 0.2653,
0.3343


397.4605, 0.2882,
0.3320


 37.6313, 0.2598,
0.3347


 94.2882, 0.2735,
0.3336

 25.6967, 0.2529,
0.3353


 121.4061, 0.2766,
0.3333

 16.5969, 0.2439,
0.3358


 153.2809, 0.2792,
0.3330

 9.9475, 0.2317,
0.3365

190.2968, 0.2815,
0.3328

 5.3641, 0.2145,
0.3370

232.8384, 0.2835,
0.3326

 2.4625, 0.1884,
0.3369

281.2899, 0.2853,

 0.8578, 0.0984,

0.3324

0.3521

336.0358, 0.2869,
0.3322

0.0000, 0.0000,
0.0000

52.7852, 0.2653,
0.3343

52.7852, 0.2653,
0.3343

51.2403, 0.2548,
0.3360

54.6595, 0.2772,
0.3327

49.9993, 0.2461,
0.3378

56.8743, 0.2904,
0.3311

49.0432, 0.2392,
0.3396

59.4482, 0.3045,
0.3297

48.3483, 0.2342,
0.3415

62.3963, 0.3193,
0.3285

47.8870, 0.2311,
0.3433

65.7330, 0.3344,
0.3273

■ 47.6251, 0.2297,
0.3451

■ 69.4659, 0.3496,
0.3263

■ 47.5445, 0.2294,
0.3459

■ 69.5217, 0.3487,
0.3251

■ 69.5779, 0.3479,
0.3240

■ 69.6345, 0.3470,
0.3228

Harmonies

Analogous

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



52.7852, 0.2903, 0.3642



52.7852, 0.2653, 0.3343



52.7852, 0.2529, 0.3046

Triad

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



52.7852, 0.2653, 0.3343



52.7852, 0.3006, 0.2809



52.7852, 0.3729, 0.3718

Complementary

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



52.7852, 0.2653, 0.3343



31.2694, 0.3925, 0.3240

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.



52.7852, 0.3765, 0.3480



52.7852, 0.2653, 0.3343



52.7852, 0.3336, 0.2972

Square

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



52.7852, 0.2653, 0.3343



52.7852, 0.2724, 0.2758



52.7852, 0.3619, 0.3212



52.7852, 0.3526, 0.3857

Rectangle

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



52.7852, 0.2653, 0.3343



52.7852, 0.2529, 0.2894



52.7852, 0.3619, 0.3212



52.7852, 0.3761, 0.3647

Sweetspot

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



52.7873, 0.2653, 0.3343



94.9634, 0.2966, 0.3305



50.6398, 0.3112, 0.4342



20.2044, 0.2947, 0.3307



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.



52.7873, 0.2653, 0.3343



84.4079, 0.2569, 0.3357



39.3493, 0.2569, 0.2843



12.7159, 0.2991, 0.3303



29.6024, 0.2294, 0.3456



1.5305, 0.2284, 0.3421

Inverse Universe

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



31.2694, 0.3925, 0.3240



43.8654, 0.4200, 0.3230



41.0725, 0.3829, 0.3695



11.2235, 0.3282, 0.3278



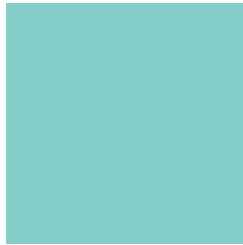
8.1000, 0.6335, 0.3263



0.4215, 0.6119, 0.3144

Previews

White Background



This preview shows how the Yxy color 52.7852, 0.2653, 0.3343 looks on a white background.

Color Contrast Check

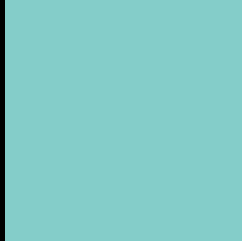
Large Text (above 18pt) WCAG AA × Fail

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 52.7852, 0.2653, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

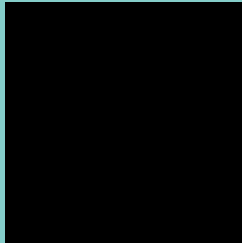
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

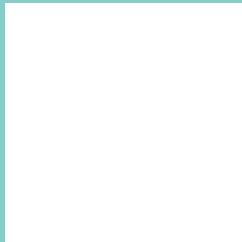
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.7852, 0.2653, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 52.7852, 0.2653, 0.3343.

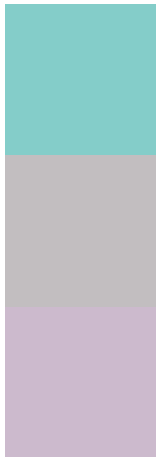


This preview shows how white text looks on a background with the Yxy color 52.7852, 0.2653, 0.3343.

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

52.7852, 0.2653, 0.3343

Protanopia

52.1020, 0.3145, 0.3265

Deuteranopia

52.3630, 0.3130, 0.3064



Tritanopia

52.5898, 0.2569, 0.3067

Trichromacy



Original Color

52.7852, 0.2653, 0.3343

Protanomaly

51.6283, 0.2941, 0.3289

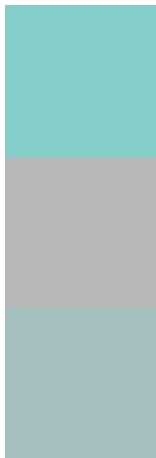
Deuteranomaly

51.9645, 0.2931, 0.3151

Tritanomaly

52.6162, 0.2604, 0.3169

Monochromacy



Original Color

52.7852, 0.2653, 0.3343

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.8718, 0.2922, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7852, 0.2653, 0.3343 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(132, 205, 201)` looks like.

```
.text, #text, p{  
    color:rgb(132, 205, 201)  
}
```

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(132, 205, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 205, 201) }
```

Border

The CSS property to change the border of an element to Yxy 52.7852, 0.2653, 0.3343 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(132, 205, 201) }
```

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

```
.border{ border-color:rgb(132, 205, 201) }
```

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

Here you see how a box with a 4 pixel rgb(132, 205, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 205, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 205, 201);  
box-shadow:4px 4px 4px 4px rgb(132, 205,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7852, 0.2653, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 205, 201) }
```

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

```
.background{ background-color: rgb(132,  
205, 201) }
```

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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