

Converting Colors

$Y_{xy}(53.3798, 0.2682, 0.3394)$

Have a look what the booklet for
Yxy(53.3798, 0.2682, 0.3394)
contains.

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Color

Yxy(53.2882, 0.2683, 0.3397)

Conversions

Conversions Part 1

Format	Color
Hex	86CEC6
RGB	134, 206, 198
RGB Percent	53%, 81%, 78%
CMY	0.4748, 0.1921, 0.2235
CMYK	0.35, 0.00, 0.04, 0.19
HSL	173°, 42%, 67%
HSV	173°, 35%, 81%
XYZ	42.0878, 53.2882, 61.4924
YIQ	183.5600, -40.3440, -17.7520

Conversions

Conversions Part 2

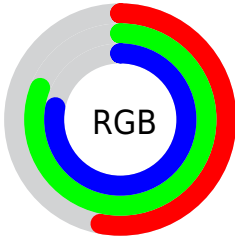
Format	Color
RYB	134, 172, 206
Decimal	8834758
CIELab	78.04, -24.26, -3.17
CIELCh	78, 24.469, 187.445
Yxy	53.2882, 0.2683, 0.3397
Android (android.graphics.Color)	4287024838 (0xFF86CEC6)
YUV	183.5600, 7.1189, -43.4641
Hunter-Lab	72.9988, -24.8328, 1.1547

Details

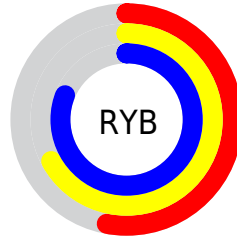
The Yxy color **53.2882, 0.2683, 0.3397** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.1080, 0.3859, 0.3189**, and the grayscale version is **47.6478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **25.8523, 0.2567, 0.3419** is the 20% darker color. If you saturate the color by 10%, you get **51.6553, 0.2582, 0.3433**, and if you desaturate by 10%, it is **55.2567, 0.2798, 0.3363**.

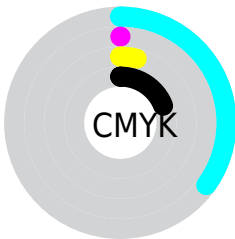
Distribution



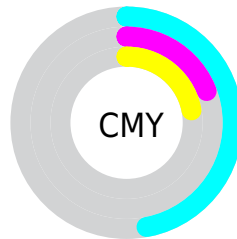
- Red (53%)
- Green (81%)
- Blue (78%)



- Red (53%)
- Yellow (67%)
- Blue (81%)



- Cyan (35%)
- Magenta (0%)
- Yellow (4%)
- Black (19%)





- Cyan (47%)
- Magenta (19%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2882, 0.2683, 0.3397 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 53.2882, 0.2683, 0.3397 by changing the saturation by 10% instead.


 53.2882, 0.2683,
0.3397


 53.2882, 0.2683,
0.3397


399.3898, 0.2898,
0.3347


 38.0329, 0.2631,
0.3408


 95.0283, 0.2760,
0.3380

 26.0082, 0.2566,
0.3423

 122.2819, 0.2789,
0.3373

 16.8298, 0.2481,
0.3440


 154.3037, 0.2814,
0.3367

 10.1132, 0.2367,
0.3464

191.4781, 0.2835,
0.3362

 5.4741, 0.2204,
0.3495

234.1896, 0.2854,
0.3358

 2.5280, 0.1955,
0.3537

282.8224, 0.2871,

 0.8906, 0.1080,

0.3354

0.3783

337.7610, 0.2885,
0.3350

0.0000, 0.0000,
0.0000

53.2882, 0.2683,
0.3397

53.2882, 0.2683,
0.3397

51.6553, 0.2582,
0.3433

55.2567, 0.2798,
0.3363

50.3322, 0.2498,
0.3470

57.5720, 0.2924,
0.3332

49.3000, 0.2431,
0.3508


60.2527, 0.3058,
0.3303


48.5347, 0.2384,
0.3546


63.3142, 0.3198,
0.3277


48.0086, 0.2356,
0.3585

66.7709, 0.3340,
0.3254

 47.6880, 0.2346,
0.3623

 70.1507, 0.3464,
0.3233

 47.5733, 0.2345,
0.3642

 70.2670, 0.3446,
0.3209

 70.3849, 0.3429,
0.3186

 70.5045, 0.3412,
0.3163

Harmonies

Analogous

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



53.2882, 0.2952, 0.3689



53.2882, 0.2683, 0.3397



53.2882, 0.2534, 0.3089

Triad

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



53.2882, 0.2683, 0.3397



53.2882, 0.2952, 0.2787



53.2882, 0.3754, 0.3687

Complementary

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



53.2882, 0.2683, 0.3397



32.1080, 0.3859, 0.3189

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.



53.2882, 0.3759, 0.3437



53.2882, 0.2683, 0.3397



53.2882, 0.3282, 0.2935

Square

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



53.2882, 0.2683, 0.3397



53.2882, 0.2682, 0.2757



53.2882, 0.3583, 0.3167



53.2882, 0.3573, 0.3849

Rectangle

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



53.2882, 0.2683, 0.3397



53.2882, 0.2517, 0.2924



53.2882, 0.3583, 0.3167



53.2882, 0.3777, 0.3610

Sweetspot

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



53.2903, 0.2683, 0.3397



95.2991, 0.2988, 0.3318



51.6509, 0.3139, 0.4313



20.2673, 0.2969, 0.3322



0.0000, 0.0000, 0.0000



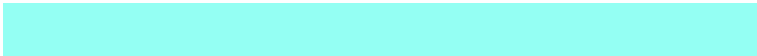
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.2903, 0.2683, 0.3397



84.2831, 0.2606, 0.3424



41.5142, 0.2586, 0.2904



12.7047, 0.2998, 0.3316



29.2982, 0.2343, 0.3636



1.5177, 0.2323, 0.3562

Inverse Universe

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



32.1080, 0.3859, 0.3189



44.9399, 0.4099, 0.3168



40.5316, 0.3830, 0.3644



11.2336, 0.3273, 0.3265



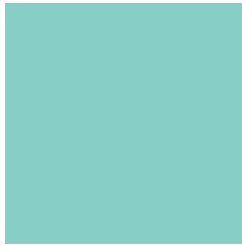
8.1251, 0.6255, 0.3219



0.4262, 0.5864, 0.3004

Previews

White Background



This preview shows how the Yxy color 53.2882, 0.2683, 0.3397 looks on a white background.

Color Contrast Check

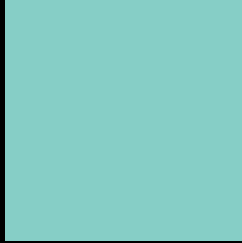
Large Text (above 18pt) WCAG AA × Fail

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 53.2882, 0.2683, 0.3397 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

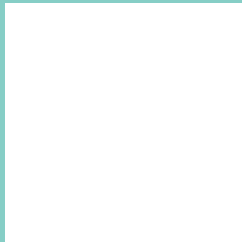
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.2882, 0.2683, 0.3397

Background



This preview shows how black text looks on a background with the Yxy color 53.2882, 0.2683, 0.3397.

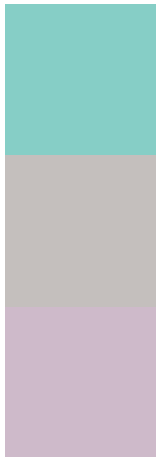


This preview shows how white text looks on a background with the Yxy color 53.2882, 0.2683, 0.3397.

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

53.2882, 0.2683, 0.3397

Protanopia

52.6715, 0.3183, 0.3315

Deuteranopia

52.5039, 0.3169, 0.3100



Tritanopia

53.3153, 0.2588, 0.3081

Trichromacy



Original Color

53.2882, 0.2683, 0.3397

Protanomaly

52.1699, 0.2977, 0.3341

Deuteranomaly

52.0603, 0.2967, 0.3189

Tritanomaly

53.2072, 0.2623, 0.3196

Monochromacy



Original Color

53.2882, 0.2683, 0.3397

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.4804, 0.2944, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2882, 0.2683, 0.3397 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(134, 206, 198)` looks like.

```
.text, #text, p{  
    color:rgb(134, 206, 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(134, 206, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 206, 198) }
```

Border

The CSS property to change the border of an element to Yxy 53.2882, 0.2683, 0.3397 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(134, 206, 198) }
```

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

```
.border{ border-color:rgb(134, 206, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 206, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 206, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 206, 198);  
box-shadow:4px 4px 4px 4px rgb(134, 206,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2882, 0.2683, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 206, 198) }
```

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

```
.background{ background-color: rgb(134,  
206, 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](#).

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