

Converting Colors

$Y_{xy}(56.0284, 0.2641, 0.3355)$

Have a look what the booklet for
Yxy(56.0284, 0.2641, 0.3355)
contains.

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Color

Yxy(56.0313, 0.2641, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	85D3CE
RGB	133, 211, 206
RGB Percent	52%, 83%, 81%
CMY	0.4784, 0.1725, 0.1922
CMYK	0.37, 0.00, 0.02, 0.17
HSL	176°, 47%, 67%
HSV	176°, 37%, 83%
XYZ	44.1069, 56.0313, 66.8701
YIQ	187.1080, -44.8830, -18.0910

Conversions

Conversions Part 2

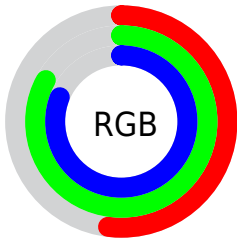
Format	Color
RYB	133, 173, 211
Decimal	8770510
CIELab	79.63, -25.10, -5.12
CIELCh	80, 25.620, 191.528
Yxy	56.0313, 0.2641, 0.3355
Android (android.graphics.Color)	4286960590 (0xFF85D3CE)
YUV	187.1080, 9.3138, -47.4527
Hunter-Lab	74.8541, -25.8155, -0.5683

Details

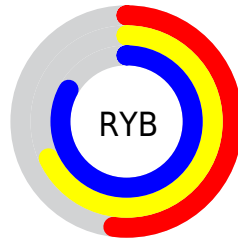
The Yxy color **56.0313, 0.2641, 0.3355** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.4642, 0.3963, 0.3229**, and the grayscale version is **49.7255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **27.6636, 0.2514, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **54.4192, 0.2539, 0.3375**, and if you desaturate by 10%, it is **57.9934, 0.2758, 0.3336**.

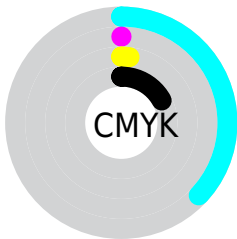
Distribution



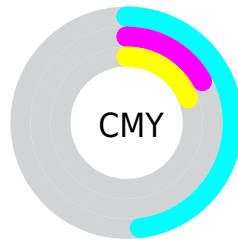
- Red (52%)
- Green (83%)
- Blue (81%)



- Red (52%)
- Yellow (68%)
- Blue (83%)



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (17%)





- Cyan (48%)
- Magenta (17%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0313, 0.2641, 0.3355 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 56.0313, 0.2641, 0.3355 by changing the saturation by 10% instead.


 56.0313, 0.2641,
0.3355

 56.0313, 0.2641,
0.3355


409.8094, 0.2874,
0.3327

 40.2280, 0.2586,
0.3361


 99.0503, 0.2723,
0.3346

 27.7164, 0.2517,
0.3368


 127.0349, 0.2755,
0.3342

 18.1120, 0.2428,
0.3375


 159.8486, 0.2782,
0.3339

 11.0304, 0.2309,
0.3384

197.8760, 0.2805,
0.3336

 6.0873, 0.2142,
0.3394

241.5014, 0.2826,
0.3333

 2.8982, 0.1892,
0.3400

291.1091, 0.2844,

 1.0788, 0.1288,

0.3331

0.3467

347.0837, 0.2860,
0.3329

0.0000, 0.0000,
0.0000

56.0313, 0.2641,
0.3355

56.0313, 0.2641,
0.3355

54.4192, 0.2539,
0.3375

57.9934, 0.2758,
0.3336

53.1296, 0.2455,
0.3396

60.3179, 0.2887,
0.3318

52.1417, 0.2389,
0.3418

63.0246, 0.3026,
0.3301

51.4296, 0.2343,
0.3440

66.1300, 0.3172,
0.3286

50.9628, 0.2315,
0.3461

69.6498, 0.3322,
0.3272

■ 50.7012, 0.2304,
0.3482

■ 72.7125, 0.3437,
0.3259

■ 50.6409, 0.2303,
0.3489

■ 72.7823, 0.3427,
0.3245

■ 72.8527, 0.3417,
0.3232

■ 72.9236, 0.3407,
0.3218

Harmonies

Analogous

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



56.0313, 0.2904, 0.3666



56.0313, 0.2641, 0.3355



56.0313, 0.2508, 0.3044

Triad

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



56.0313, 0.2641, 0.3355



56.0313, 0.2991, 0.2787



56.0313, 0.3757, 0.3728

Complementary

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



56.0313, 0.2641, 0.3355



32.4642, 0.3963, 0.3229

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.



56.0313, 0.3789, 0.3478



56.0313, 0.2641, 0.3355



56.0313, 0.3333, 0.2953

Square

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



56.0313, 0.2641, 0.3355



56.0313, 0.2701, 0.2738



56.0313, 0.3631, 0.3200



56.0313, 0.3550, 0.3878

Rectangle

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



56.0313, 0.2641, 0.3355



56.0313, 0.2505, 0.2884



56.0313, 0.3631, 0.3200



56.0313, 0.3789, 0.3652

Sweetspot

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



56.0335, 0.2641, 0.3355



94.9470, 0.2967, 0.3308



53.7058, 0.3111, 0.4391



20.2004, 0.2948, 0.3310



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.



56.0335, 0.2641, 0.3355



84.1051, 0.2563, 0.3370



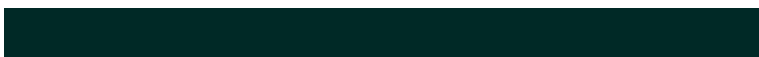
41.2175, 0.2547, 0.2822



13.3934, 0.2992, 0.3305



30.5663, 0.2302, 0.3486



1.7131, 0.2291, 0.3446

Inverse Universe

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



32.4642, 0.3963, 0.3229



43.0478, 0.4226, 0.3218



43.1109, 0.3864, 0.3712



11.8204, 0.3281, 0.3275



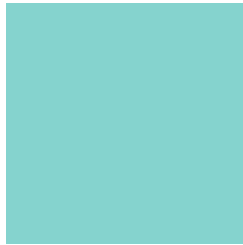
8.3816, 0.6325, 0.3258



0.4731, 0.6090, 0.3128

Previews

White Background



This preview shows how the Yxy color 56.0313, 0.2641, 0.3355 looks on a white background.

Color Contrast Check

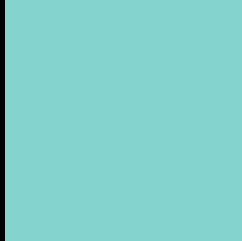
Large Text (above 18pt) WCAG AA × Fail

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 56.0313, 0.2641, 0.3355 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

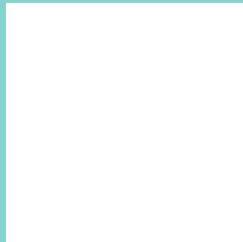
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.0313, 0.2641, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 56.0313, 0.2641, 0.3355.

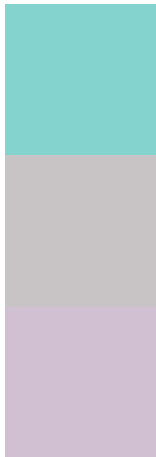


This preview shows how white text looks on a background with the Yxy color 56.0313, 0.2641, 0.3355.

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

56.0313, 0.2641, 0.3355

Protanopia

55.3408, 0.3152, 0.3266

Deuteranopia

55.4701, 0.3129, 0.3069



Tritanopia

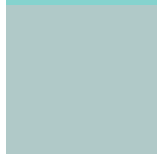
55.9513, 0.2560, 0.3072

Trichromacy



Original Color

56.0313, 0.2641, 0.3355



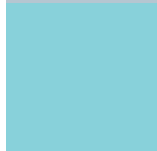
Protanomaly

55.1735, 0.2946, 0.3302



Deuteranomaly

54.8154, 0.2921, 0.3154



Tritanomaly

55.8971, 0.2588, 0.3172

Monochromacy



Original Color

56.0313, 0.2641, 0.3355



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

51.5904, 0.2918, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0313, 0.2641, 0.3355 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(133, 211, 206)` looks like.

```
.text, #text, p{  
    color:rgb(133, 211, 206)  
}
```

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(133, 211, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 211, 206) }
```

Border

The CSS property to change the border of an element to Yxy 56.0313, 0.2641, 0.3355 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(133, 211, 206) }
```

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

```
.border{ border-color:rgb(133, 211, 206) }
```

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

Here you see how a box with a 4 pixel rgb(133, 211, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 211, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 211, 206);  
box-shadow:4px 4px 4px 4px rgb(133, 211,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0313, 0.2641, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 211, 206) }
```

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

```
.background{ background-color: rgb(133,  
211, 206) }
```

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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