

Converting Colors

$Yxy(55.6077, 0.2716, 0.3631)$

Have a look what the booklet for
Yxy(55.6077, 0.2716, 0.3631)
contains.

Yxy(55.8085, 0.2717, 0.3630)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.8085, 0.2717, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	80D5BC
RGB	128, 213, 188
RGB Percent	50%, 84%, 74%
CMY	0.4982, 0.1647, 0.2626
CMYK	0.40, 0.00, 0.12, 0.16
HSL	162°, 50%, 67%
HSV	162°, 40%, 84%
XYZ	41.7718, 55.8085, 56.1621
YIQ	184.7350, -42.6350, -25.7950

Conversions

Conversions Part 2

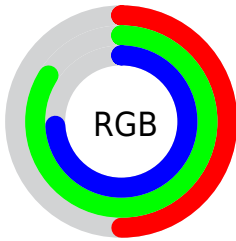
Format	Color
RYB	128, 178, 213
Decimal	8443324
CIELab	79.50, -31.51, 4.27
CIELCh	80, 31.799, 172.286
Yxy	55.8085, 0.2717, 0.3630
Android (android.graphics.Color)	4286633404 (0xFF80D5BC)
YUV	184.7350, 1.6096, -49.7566
Hunter-Lab	74.7051, -30.9245, 7.7203

Details

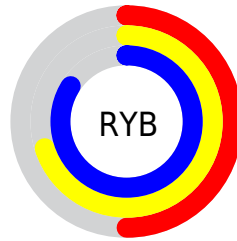
The Yxy color **55.8085, 0.2717, 0.3630** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.8754, 0.3827, 0.2982**, and the grayscale version is **48.3675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2420, 0.2775, 0.3408**, and **27.6195, 0.2607, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **54.0651, 0.2640, 0.3732**, and if you desaturate by 10%, it is **57.9147, 0.2807, 0.3534**.

Distribution



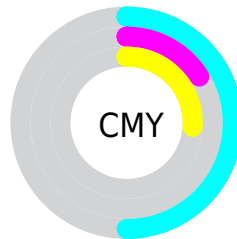
- Red (50%)
- Green (84%)
- Blue (74%)



- Red (50%)
- Yellow (70%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (12%)
- Black (16%)




- Cyan (50%)
- Magenta (16%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8085, 0.2717, 0.3630 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 55.8085, 0.2717, 0.3630 by changing the saturation by 10% instead.


 55.8085, 0.2717,
0.3630

 55.8085, 0.2717,
0.3630


408.9694, 0.2917,
0.3462


 40.0494, 0.2669,
0.3671


 98.7245, 0.2788,
0.3570

 27.5771, 0.2608,
0.3724


 126.6503, 0.2816,
0.3547

 18.0071, 0.2528,
0.3793


 159.4003, 0.2839,
0.3527

 10.9551, 0.2419,
0.3888

197.3591, 0.2859,
0.3511

 6.0366, 0.2264,
0.4028

240.9110, 0.2876,
0.3496

 2.8674, 0.2023,
0.4251

290.4404, 0.2891,

 1.0629, 0.1078,

0.3483

0.4964

346.3318, 0.2905,
0.3472

0.0000, 0.0000,
0.0000

55.8085, 0.2717,
0.3630

55.8085, 0.2717,
0.3630

54.0651, 0.2640,
0.3732

57.9147, 0.2807,
0.3534

52.6559, 0.2579,
0.3840

60.3972, 0.2908,
0.3445

51.5584, 0.2536,
0.3950

63.2767, 0.3016,
0.3363

50.7449, 0.2513,
0.4062

66.5706, 0.3128,
0.3289

50.1821, 0.2510,
0.4173

70.2953, 0.3242,
0.3223

■ 49.8107, 0.2523,
0.4284

■ 74.3193, 0.3351,
0.3164

■ 49.8081, 0.2524,
0.4285

■ 74.6683, 0.3306,
0.3102

■ 75.0299, 0.3262,
0.3041

■ 75.4043, 0.3219,
0.2981

Harmonies

Analogous

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



55.8085, 0.3105, 0.3947



55.8085, 0.2717, 0.3630



55.8085, 0.2449, 0.3219

Triad

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



55.8085, 0.2717, 0.3630



55.8085, 0.2714, 0.2618



55.8085, 0.3964, 0.3631

Complementary

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



55.8085, 0.2717, 0.3630



31.8754, 0.3827, 0.2982

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.



55.8085, 0.3851, 0.3294



55.8085, 0.2717, 0.3630



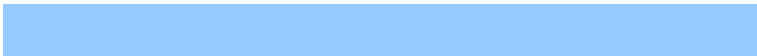
55.8085, 0.3105, 0.2734

Square

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



55.8085, 0.2717, 0.3630



55.8085, 0.2448, 0.2658



55.8085, 0.3528, 0.2975



55.8085, 0.3835, 0.3912

Rectangle

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



55.8085, 0.2717, 0.3630



55.8085, 0.2366, 0.2970



55.8085, 0.3528, 0.2975



55.8085, 0.3954, 0.3521

Sweetspot

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



55.8107, 0.2717, 0.3630



94.0858, 0.2992, 0.3381



55.9688, 0.3249, 0.4444



20.0123, 0.2977, 0.3391



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.



55.8107, 0.2717, 0.3630



81.5909, 0.2650, 0.3717



48.8707, 0.2544, 0.3059



14.0428, 0.3021, 0.3359



30.4414, 0.2519, 0.4268



1.8502, 0.2466, 0.4078

Inverse Universe

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



31.8754, 0.3827, 0.2982



40.7736, 0.4059, 0.2919



35.9483, 0.4042, 0.3505



12.4802, 0.3245, 0.3222



8.8730, 0.5771, 0.2953



0.5496, 0.5272, 0.2678

Previews

White Background



This preview shows how the Yxy color 55.8085, 0.2717, 0.3630 looks on a white background.

Color Contrast Check

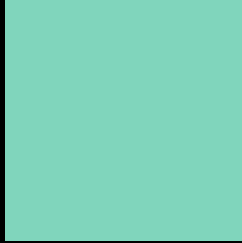
Large Text (above 18pt) WCAG AA × Fail

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 55.8085, 0.2717, 0.3630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

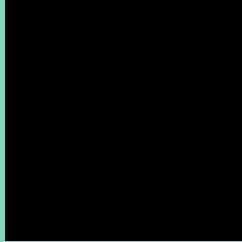
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

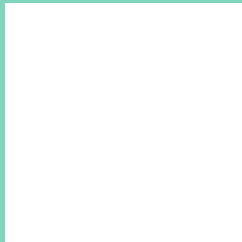
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8085, 0.2717, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 55.8085, 0.2717, 0.3630.

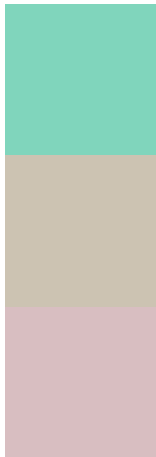


This preview shows how white text looks on a background with the Yxy color 55.8085, 0.2717, 0.3630.

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

55.8085, 0.2717, 0.3630

Protanopia

55.0819, 0.3330, 0.3497

Deuteranopia

55.2761, 0.3319, 0.3256



Tritanopia

55.8119, 0.2560, 0.3084

Trichromacy



Original Color

55.8085, 0.2717, 0.3630



Protanomaly

54.8486, 0.3069, 0.3546



Deuteranomaly

54.3401, 0.3068, 0.3378



Tritanomaly

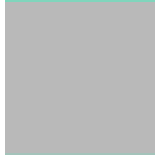
55.8647, 0.2617, 0.3275

Monochromacy



Original Color

55.8085, 0.2717, 0.3630



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

50.4679, 0.2951, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8085, 0.2717, 0.3630 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(128, 213, 188)` looks like.

```
.text, #text, p{  
    color:rgb(128, 213, 188)  
}
```

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(128, 213, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 213, 188) }
```

Border

The CSS property to change the border of an element to Yxy 55.8085, 0.2717, 0.3630 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(128, 213, 188) }
```

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

```
.border{ border-color:rgb(128, 213, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 213, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 213, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 213, 188);  
box-shadow:4px 4px 4px 4px rgb(128, 213,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8085, 0.2717, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 213, 188) }
```

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

```
.background{ background-color: rgb(128,  
213, 188) }
```

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