

Converting Colors

$Y_{xy}(55.8559, 0.2181, 0.2957)$

Have a look what the booklet for
Yxy(55.8559, 0.2181, 0.2957)
contains.

Yxy(55.8559, 0.2181, 0.2957)	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(55.8559, 0.2181, 0.2957)

Conversions

Conversions Part 1

Format	Color
Hex	25D8F1
RGB	37, 216, 241
RGB Percent	15%, 85%, 95%
CMY	0.8548, 0.1529, 0.0548
CMYK	0.85, 0.10, 0.00, 0.05
HSL	187°, 88%, 55%
HSV	187°, 85%, 95%
XYZ	41.1977, 55.8559, 91.8402
YIQ	165.3290, -114.7090, -30.1730

Conversions

Conversions Part 2

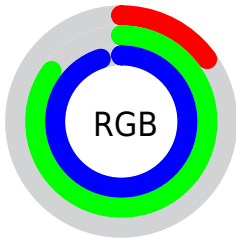
Format	Color
RYB	37, 132, 241
Decimal	2480369
CIELab	79.53, -33.38, -24.26
CIELCh	80, 41.261, 216.009
Yxy	55.8559, 0.2181, 0.2957
Android (android.graphics.Color)	4280670449 (0xFF25D8F1)
YUV	165.3290, 37.3058, -112.5445
Hunter-Lab	74.7368, -32.3935, -20.5426

Details

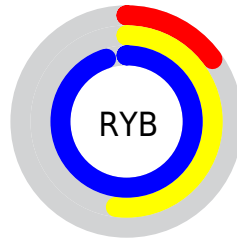
The Yxy color **55.8559, 0.2181, 0.2957** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **22.2868, 0.5929, 0.3447**, and the grayscale version is **37.6564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **28.9925, 0.2132, 0.2875** is the 20% darker color. If you saturate the color by 10%, you get **54.0483, 0.2149, 0.2914**, and if you desaturate by 10%, it is **57.9883, 0.2232, 0.3000**.

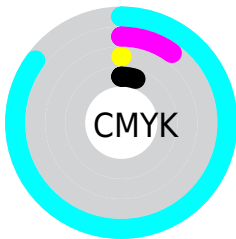
Distribution



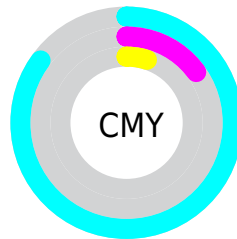
- Red (15%)
- Green (85%)
- Blue (95%)



- Red (15%)
- Yellow (52%)
- Blue (95%)



- Cyan (85%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)





- Cyan (85%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8559, 0.2181, 0.2957 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 55.8559, 0.2181, 0.2957 by changing the saturation by 10% instead.

 55.8559, 0.2181,
0.2957


 55.8559, 0.2181,
0.2957


409.1482, 0.2620,
0.3133

 40.0874, 0.2082,
0.2912


 98.7939, 0.2333,
0.3022

 27.6067, 0.1960,
0.2853


 126.7321, 0.2392,
0.3046

 18.0294, 0.1809,
0.2775


 159.4957, 0.2443,
0.3067

 10.9711, 0.1615,
0.2667

 197.4691, 0.2488,
0.3084

 6.0474, 0.1363,
0.2509

 241.0367, 0.2527,
0.3099

 2.8739, 0.1029,
0.2264

290.5828, 0.2561,

 1.0663, 0.0337,

0.3111

0.1909

346.4918, 0.2592,
0.3123

■ 0.0000, 0.0000,
0.0000

■ 55.8559, 0.2181,
0.2957

■ 55.8559, 0.2181,
0.2957

■ 54.0483, 0.2149,
0.2914

■ 57.9883, 0.2232,
0.3000

■ 53.1697, 0.2137,
0.2892

■ 60.4897, 0.2302,
0.3044

■ 63.4028, 0.2391,
0.3087

■ 66.7630, 0.2499,
0.3129

■ 70.6015, 0.2621,
0.3169

■ 74.9467, 0.2757,
0.3207

■ 79.8245, 0.2903,
0.3243

■ 85.2592, 0.3055,
0.3276

■ 91.2734, 0.3211,
0.3306

Harmonies

Analogous

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



55.8559, 0.2417, 0.3484



55.8559, 0.2181, 0.2957



55.8559, 0.2174, 0.2591

Triad

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



55.8559, 0.2181, 0.2957



55.8559, 0.3347, 0.2708



55.8559, 0.3866, 0.4198

Complementary

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



55.8559, 0.2181, 0.2957



22.2868, 0.5929, 0.3447

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.



55.8559, 0.4168, 0.3890



55.8559, 0.2181, 0.2957



55.8559, 0.3866, 0.3059

Square

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



55.8559, 0.2181, 0.2957



55.8559, 0.2806, 0.2486



55.8559, 0.4175, 0.3477



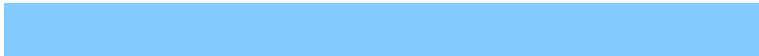
55.8559, 0.3379, 0.4266

Rectangle

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



55.8559, 0.2181, 0.2957



55.8559, 0.2294, 0.2465



55.8559, 0.4175, 0.3477



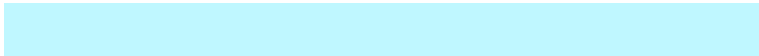
55.8559, 0.3994, 0.4115

Sweetspot

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



55.8579, 0.2181, 0.2957



84.9621, 0.2751, 0.3206



63.6486, 0.2961, 0.5701



17.8003, 0.2702, 0.3192



0.0000, 0.0000, 0.0000



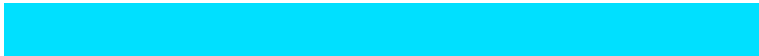
21.4041, 0.3127, 0.3290

Same Dimension

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



55.8579, 0.2181, 0.2957



60.3866, 0.2136, 0.2890



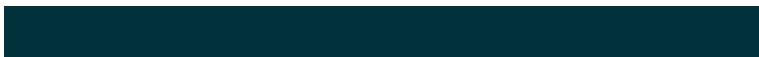
19.0576, 0.1787, 0.1494



17.5787, 0.2981, 0.3260



28.9637, 0.2139, 0.2899



2.5016, 0.2154, 0.2955

Inverse Universe

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



24.9861, 0.3486, 0.1766



26.6272, 0.3552, 0.1730



44.9675, 0.4849, 0.4389



15.9961, 0.3157, 0.3085



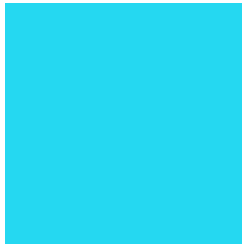
12.7173, 0.3545, 0.1726



1.0673, 0.3494, 0.1699

Previews

White Background



This preview shows how the Yxy color 55.8559, 0.2181, 0.2957 looks on a white background.

Color Contrast Check

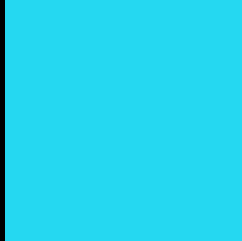
Large Text (above 18pt) WCAG AA × Fail

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 55.8559, 0.2181, 0.2957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

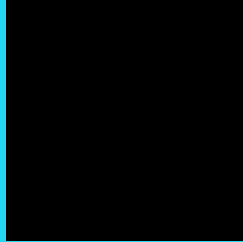
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8559, 0.2181, 0.2957

Background



This preview shows how black text looks on a background with the Yxy color 55.8559, 0.2181, 0.2957.



This preview shows how white text looks on a background with the Yxy color 55.8559, 0.2181, 0.2957.

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

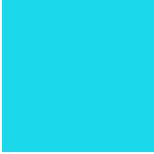
55.8559, 0.2181, 0.2957

Protanopia

55.0217, 0.2871, 0.2911

Deuteranopia

55.0445, 0.2728, 0.2671



Tritanopia

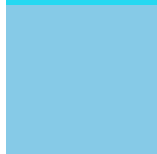
55.8569, 0.2196, 0.3046

Trichromacy



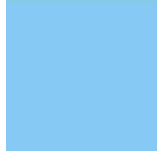
Original Color

55.8559, 0.2181, 0.2957



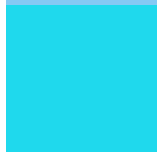
Protanomaly

53.0789, 0.2494, 0.2918



Deuteranomaly

53.2915, 0.2422, 0.2753



Tritanomaly

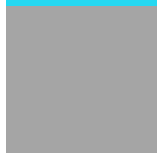
56.0314, 0.2192, 0.3021

Monochromacy



Original Color

55.8559, 0.2181, 0.2957



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

41.9828, 0.2575, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8559, 0.2181, 0.2957 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(37, 216, 241)` looks like.

```
.text, #text, p{  
    color:rgb(37, 216, 241)  
}
```

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(37, 216, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 216, 241) }
```

Border

The CSS property to change the border of an element to Yxy 55.8559, 0.2181, 0.2957 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(37, 216, 241) }
```

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

```
.border{ border-color:rgb(37, 216, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 216, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 216, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 216, 241);  
box-shadow:4px 4px 4px 4px rgb(37, 216,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8559, 0.2181, 0.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 216, 241) }
```

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

```
.background{ background-color: rgb(37, 216,  
241) }
```

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