

Converting Colors

$Y_{xy}(58.2729, 0.2441, 0.3470)$

Have a look what the booklet for
Yxy(58.2729, 0.2441, 0.3470)
contains.

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Color

Yxy(58.1983, 0.2441, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	55DDD0
RGB	85, 221, 208
RGB Percent	33%, 87%, 82%
CMY	0.6665, 0.1333, 0.1844
CMYK	0.62, 0.00, 0.06, 0.13
HSL	174°, 67%, 60%
HSV	174°, 62%, 87%
XYZ	40.9873, 58.1983, 68.7264
YIQ	178.8540, -76.8830, -32.8750

Conversions

Conversions Part 2

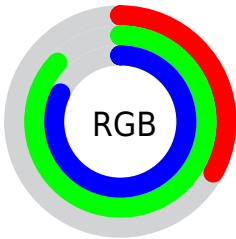
Format	Color
R_{YB}	85, 156, 221
Decimal	5627344
CIE _{Lab}	80.85, -39.70, -4.58
CIE _{LCh}	81, 39.963, 186.581
Yxy	58.1983, 0.2441, 0.3466
Android (android.graphics.Color)	4283817424 (0xFF55DDD0)
YUV	178.8540, 14.3690, -82.3100
Hunter-Lab	76.2878, -37.6006, -0.0119

Details

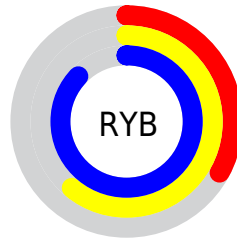
The Yxy color **58.1983, 0.2441, 0.3466** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.7601, 0.4890, 0.3155**, and the grayscale version is **44.9565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **29.2434, 0.2304, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **57.2185, 0.2386, 0.3499**, and if you desaturate by 10%, it is **59.5069, 0.2515, 0.3434**.

Distribution



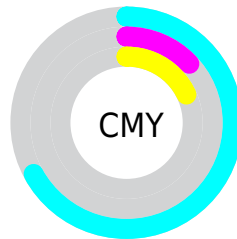
- Red (33%)
- Green (87%)
- Blue (82%)



- Red (33%)
- Yellow (61%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)





- Cyan (67%)
- Magenta (13%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1983, 0.2441, 0.3466 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 58.1983, 0.2441, 0.3466 by changing the saturation by 10% instead.


 58.1983, 0.2441,
0.3466

 58.1983, 0.2441,
0.3466


417.9244, 0.2766,
0.3387


 41.9681, 0.2365,
0.3483

 102.2116, 0.2555,
0.3439


 29.0763, 0.2271,
0.3504


 130.7634, 0.2599,
0.3428

 19.1386, 0.2150,
0.3530


 164.1913, 0.2637,
0.3419

 11.7704, 0.1992,
0.3561

 202.8795, 0.2670,
0.3411

 6.5876, 0.1774,
0.3600

247.2126, 0.2698,
0.3404

 3.2055, 0.1462,
0.3646

297.5748, 0.2723,

 1.2400, 0.0538,

0.3398

354.3506, 0.2746,
0.3392

0.3870

0.0940, 0.0000,
0.1820

0.0000, 0.0000,
0.0000

58.1983, 0.2441,
0.3466

58.1983, 0.2441,
0.3466

57.2185, 0.2386,
0.3499

59.5069, 0.2515,
0.3434

56.5296, 0.2351,
0.3532


61.1649, 0.2606,
0.3402

56.0964, 0.2334,
0.3565


63.1988, 0.2714,
0.3372

55.8761, 0.2331,
0.3592


65.6307, 0.2835,
0.3344

 68.4811, 0.2966,
0.3318

 71.7692, 0.3106,
0.3293

 75.5126, 0.3249,
0.3272

 78.4064, 0.3346,
0.3251

 78.5228, 0.3331,
0.3230

Harmonies

Analogous

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



58.1983, 0.2853, 0.3956



58.1983, 0.2441, 0.3466



58.1983, 0.2217, 0.2966

Triad

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



58.1983, 0.2441, 0.3466



58.1983, 0.2829, 0.2520



58.1983, 0.4120, 0.3875

Complementary

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



58.1983, 0.2441, 0.3466



22.7601, 0.4890, 0.3155

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.



58.1983, 0.4131, 0.3480



58.1983, 0.2441, 0.3466



58.1983, 0.3349, 0.2737

Square

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



58.1983, 0.2441, 0.3466



58.1983, 0.2427, 0.2471



58.1983, 0.3841, 0.3077



58.1983, 0.3829, 0.4164

Rectangle

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



58.1983, 0.2441, 0.3466



58.1983, 0.2190, 0.2711



58.1983, 0.3841, 0.3077



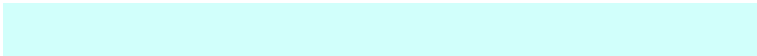
58.1983, 0.4158, 0.3750

Sweetspot

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



58.2005, 0.2441, 0.3466



92.0297, 0.2878, 0.3335



55.0037, 0.3102, 0.5233



19.4621, 0.2840, 0.3343



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.



58.2005, 0.2441, 0.3466



78.7978, 0.2374, 0.3509



34.6524, 0.2203, 0.2499



14.8069, 0.2995, 0.3312



32.4674, 0.2330, 0.3587



2.1098, 0.2315, 0.3534

Inverse Universe

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



22.7601, 0.4890, 0.3155



25.8378, 0.5483, 0.3161



34.6188, 0.4605, 0.3911



13.0717, 0.3277, 0.3268



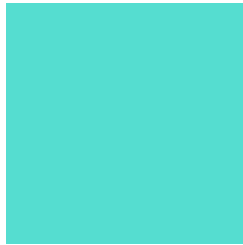
8.9692, 0.6285, 0.3236



0.5882, 0.5989, 0.3073

Previews

White Background



This preview shows how the Yxy color 58.1983, 0.2441, 0.3466 looks on a white background.

Color Contrast Check

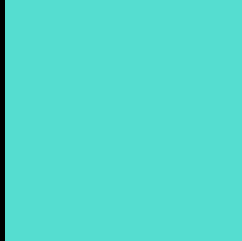
Large Text (above 18pt) WCAG AA × Fail

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 58.1983, 0.2441, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

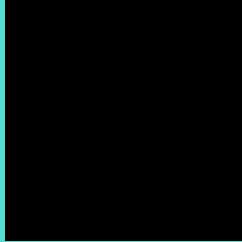
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

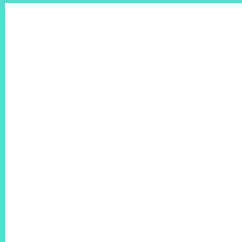
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.1983, 0.2441, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 58.1983, 0.2441, 0.3466.

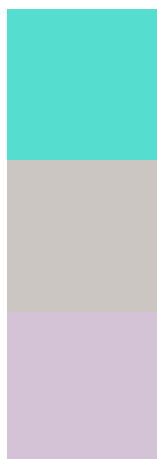


This preview shows how white text looks on a background with the Yxy color 58.1983, 0.2441, 0.3466.

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

58.1983, 0.2441, 0.3466

Protanopia

57.1657, 0.3197, 0.3326

Deuteranopia

57.4357, 0.3122, 0.3061



Tritanopia

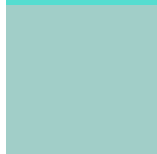
58.1107, 0.2347, 0.3055

Trichromacy



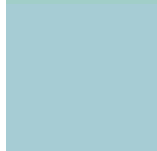
Original Color

58.1983, 0.2441, 0.3466



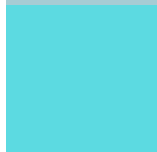
Protanomaly

55.8898, 0.2843, 0.3366



Deuteranomaly

56.0462, 0.2799, 0.3189



Tritanomaly

57.8544, 0.2379, 0.3195

Monochromacy



Original Color

58.1983, 0.2441, 0.3466



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.3210, 0.2786, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1983, 0.2441, 0.3466 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(85, 221, 208)` looks like.

```
.text, #text, p{  
    color:rgb(85, 221, 208)  
}
```

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(85, 221, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 221, 208) }
```

Border

The CSS property to change the border of an element to Yxy 58.1983, 0.2441, 0.3466 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(85, 221, 208) }
```

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

```
.border{ border-color:rgb(85, 221, 208) }
```

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

Here you see how a box with a 4 pixel rgb(85, 221, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 221, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 221, 208);  
box-shadow:4px 4px 4px 4px rgb(85, 221,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1983, 0.2441, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 221, 208) }
```

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

```
.background{ background-color: rgb(85, 221,  
208) }
```

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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