

Converting Colors

$Y_{xy}(59.1199, 0.2262, 0.3293)$

Have a look what the booklet for
Yxy(59.1199, 0.2262, 0.3293)
contains.

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Color

Yxy(58.8873, 0.2260, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	18E0E0
RGB	24, 224, 224
RGB Percent	9%, 88%, 88%
CMY	0.9062, 0.1216, 0.1214
CMYK	0.89, 0.00, 0.00, 0.12
HSL	180°, 81%, 49%
HSV	180°, 89%, 88%
XYZ	40.4884, 58.8873, 79.7764
YIQ	164.2000, -119.2000, -42.4000

Conversions

Conversions Part 2

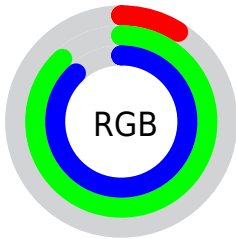
Format	Color
R _Y B	24, 124, 224
Decimal	1630432
CIE Lab	81.23, -42.88, -12.67
CIE LCh	81, 44.711, 196.455
Yxy	58.8873, 0.2260, 0.3287
Android (android.graphics.Color)	4279820512 (0xFF18E0E0)
YUV	164.2000, 29.4814, -122.9554
Hunter-Lab	76.7381, -40.1118, -7.9209

Details

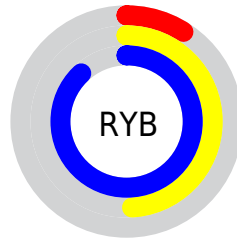
The Yxy color **58.8873, 0.2260, 0.3287** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.5694, 0.6221, 0.3299**, and the grayscale version is **37.1137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **30.8698, 0.2242, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **58.7042, 0.2247, 0.3287**, and if you desaturate by 10%, it is **59.2865, 0.2288, 0.3287**.

Distribution



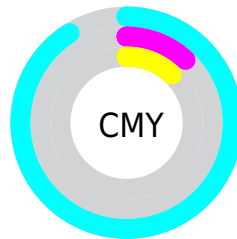
- Red (9%)
- Green (88%)
- Blue (88%)



- Red (9%)
- Yellow (49%)
- Blue (88%)



- Cyan (89%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (91%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8873, 0.2260, 0.3287 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 58.8873, 0.2260, 0.3287 by changing the saturation by 10% instead.


 58.8873, 0.2260,
0.3287

 58.8873, 0.2260,
0.3287


420.4841, 0.2664,
0.3301

 42.5224, 0.2168,
0.3280


 103.2138, 0.2400,
0.3295


 29.5106, 0.2055,
0.3270


 131.9443, 0.2455,
0.3297


 19.4674, 0.1912,
0.3253


 165.5654, 0.2502,
0.3299

 12.0085, 0.1729,
0.3226

 204.4615, 0.2542,
0.3300

 6.7495, 0.1485,
0.3177

 249.0170, 0.2578,
0.3300

 3.3059, 0.1153,
0.3084

299.6164, 0.2610,

 1.2935, 0.0313,

0.3301

0.3000

356.6440, 0.2638,
0.3301

■ 0.1361, 0.0000,
0.1162

■ 0.0000, 0.0000,
0.0000

■ 58.8873, 0.2260,
0.3287

■ 58.8873, 0.2260,
0.3287

■ 58.7042, 0.2247,
0.3287

■ 59.2865, 0.2288,
0.3287

■ 58.6943, 0.2246,
0.3287

■ 59.9552, 0.2333,
0.3287

■ 60.9325, 0.2398,
0.3288

■ 62.2498, 0.2482,
0.3288

■ 63.9344, 0.2585,
0.3288

■ 66.0109, 0.2705,
0.3289

■ 68.5018, 0.2838,
0.3289

■ 71.4280, 0.2984,
0.3290

■ 74.8088, 0.3138,
0.3290

Harmonies

Analogous

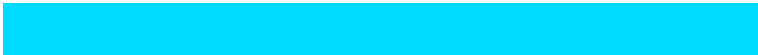
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.8873, 0.2651, 0.3874



58.8873, 0.2260, 0.3287



58.8873, 0.2096, 0.2773

Triad

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



58.8873, 0.2260, 0.3287



58.8873, 0.2975, 0.2503



58.8873, 0.4151, 0.4055

Complementary

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



58.8873, 0.2260, 0.3287



16.5694, 0.6221, 0.3299

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.



58.8873, 0.4280, 0.3640



58.8873, 0.2260, 0.3287



58.8873, 0.3566, 0.2790

Square

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



58.8873, 0.2260, 0.3287



58.8873, 0.2477, 0.2383



58.8873, 0.4063, 0.3192



58.8873, 0.3744, 0.4318

Rectangle

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



58.8873, 0.2260, 0.3287



58.8873, 0.2121, 0.2543



58.8873, 0.4063, 0.3192



58.8873, 0.4230, 0.3927

Sweetspot

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



58.8895, 0.2260, 0.3287



89.1910, 0.2732, 0.3289



53.5883, 0.3004, 0.5917



18.8638, 0.2688, 0.3289



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.



58.8895, 0.2260, 0.3287



78.7145, 0.2246, 0.3287



19.9858, 0.1840, 0.1748



15.5720, 0.2982, 0.3290



34.1529, 0.2246, 0.3287



2.3674, 0.2246, 0.3287

Inverse Universe

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



21.8845, 0.3208, 0.1577



28.4774, 0.3210, 0.1542



30.3273, 0.5211, 0.4146



13.9356, 0.3138, 0.3059



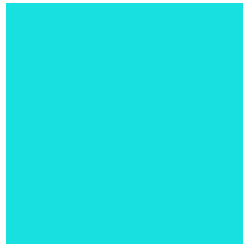
12.3558, 0.3210, 0.1542



0.8564, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 58.8873, 0.2260, 0.3287 looks on a white background.

Color Contrast Check

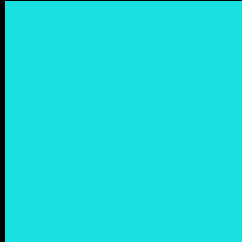
Large Text (above 18pt) WCAG AA × Fail

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 58.8873, 0.2260, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

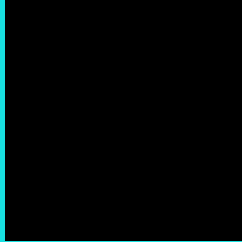
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8873, 0.2260, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 58.8873, 0.2260, 0.3287.



This preview shows how white text looks on a background with the Yxy color 58.8873, 0.2260, 0.3287.

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

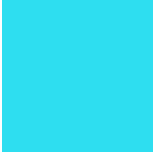
58.8873, 0.2260, 0.3287

Protanopia

57.8678, 0.3071, 0.3172

Deuteranopia

57.7225, 0.2955, 0.2892



Tritanopia

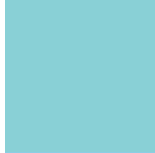
59.1147, 0.2219, 0.3052

Trichromacy



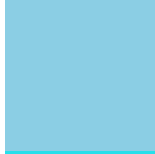
Original Color

58.8873, 0.2260, 0.3287



Protanomaly

55.2852, 0.2614, 0.3210



Deuteranomaly

55.2330, 0.2545, 0.3009



Tritanomaly

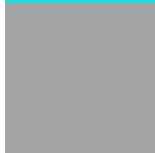
59.1279, 0.2234, 0.3142

Monochromacy



Original Color

58.8873, 0.2260, 0.3287



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

42.1737, 0.2591, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8873, 0.2260, 0.3287 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(24, 224, 224)` looks like.

```
.text, #text, p{  
  color:rgb(24, 224, 224)  
}
```

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(24, 224, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 224, 224) }
```

Border

The CSS property to change the border of an element to Yxy 58.8873, 0.2260, 0.3287 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(24, 224, 224) }
```

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

```
.border{ border-color:rgb(24, 224, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 224, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 224, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 224, 224);  
box-shadow:4px 4px 4px 4px rgb(24, 224,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8873, 0.2260, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 224, 224) }
```

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

```
.background{ background-color: rgb(24, 224,  
224) }
```

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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