

Converting Colors

$Y_{xy}(58.8479, 0.2332, 0.3595)$

Have a look what the booklet for
Yxy(58.8479, 0.2332, 0.3595)
contains.

Yxy(58.7523, 0.2333, 0.3598)	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(58.7523, 0.2333, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	00E2CC
RGB	0, 226, 204
RGB Percent	0%, 89%, 80%
CMY	0.9986, 0.1137, 0.2001
CMYK	1.00, 0.00, 0.10, 0.11
HSL	174°, 100%, 44%
HSV	174°, 100%, 89%
XYZ	38.0959, 58.7523, 66.4433
YIQ	155.9180, -127.6340, -54.7540

Conversions

Conversions Part 2

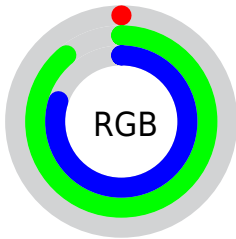
Format	Color
RYB	0, 119, 226
Decimal	58060
CIELab	81.16, -50.12, -2.13
CIElCh	81, 50.166, 182.434
Yxy	58.7523, 0.2333, 0.3598
Android (android.graphics.Color)	4278248140 (0xFF00E2CC)
YUV	155.9180, 23.7044, -136.7401
Hunter-Lab	76.6500, -45.4211, 2.2601

Details

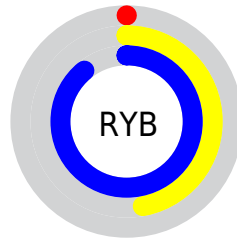
The Yxy color **58.7523, 0.2333, 0.3598** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.2363, 0.6303, 0.3247**, and the grayscale version is **33.1920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **30.9515, 0.2350, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **58.7505, 0.2333, 0.3599**, and if you desaturate by 10%, it is **59.0405, 0.2337, 0.3565**.

Distribution



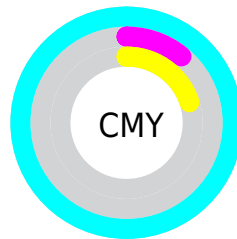
- Red (0%)
- Green (89%)
- Blue (80%)



- Red (0%)
- Yellow (47%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7523, 0.2333, 0.3598 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 58.7523, 0.2333, 0.3598 by changing the saturation by 10% instead.


 58.7523, 0.2333,
0.3598


 58.7523, 0.2333,
0.3598


419.9834, 0.2709,
0.3455


 42.4138, 0.2246,
0.3631


 103.0176, 0.2465,
0.3548


 29.4254, 0.2137,
0.3671


 131.7131, 0.2516,
0.3529


 19.4029, 0.1999,
0.3721


 165.2964, 0.2559,
0.3512

 11.9617, 0.1819,
0.3786

 204.1519, 0.2597,
0.3498

 6.7176, 0.1574,
0.3871

 248.6639, 0.2630,
0.3485

 3.2861, 0.1228,
0.3985

299.2169, 0.2659,

 1.2829, 0.0000,

0.3474

0.4456

356.1953, 0.2685,
0.3464

■ 0.1279, 0.0000,
0.3074

■ 0.0000, 0.0000,
0.0000

■ 58.7523, 0.2333,
0.3598

■ 58.7523, 0.2333,
0.3598

■ 58.7505, 0.2333,
0.3599

■ 59.0405, 0.2337,
0.3565

■ 59.5376, 0.2357,
0.3531

■ 60.3113, 0.2395,
0.3498

■ 61.3997, 0.2453,
0.3464

■ 62.8351, 0.2529,
0.3431

■ 64.6456, 0.2624,
0.3399

■ 66.8565, 0.2734,
0.3369

■ 69.4909, 0.2856,
0.3340

■ 72.5702, 0.2989,
0.3314

Harmonies

Analogous

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



58.7523, 0.2858, 0.4211



58.7523, 0.2333, 0.3598



58.7523, 0.2035, 0.2948

Triad

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



58.7523, 0.2333, 0.3598



58.7523, 0.2673, 0.2333



58.7523, 0.4384, 0.3923

Complementary

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



58.7523, 0.2333, 0.3598



16.2363, 0.6303, 0.3247

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.



58.7523, 0.4356, 0.3433



58.7523, 0.2333, 0.3598



58.7523, 0.3304, 0.2568

Square

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



58.7523, 0.2333, 0.3598



58.7523, 0.2217, 0.2297



58.7523, 0.3945, 0.2957



58.7523, 0.4051, 0.4328

Rectangle

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



58.7523, 0.2333, 0.3598



58.7523, 0.1982, 0.2618



58.7523, 0.3945, 0.2957



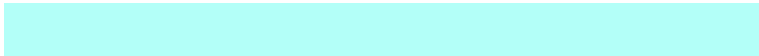
58.7523, 0.4419, 0.3763

Sweetspot

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



58.7545, 0.2333, 0.3598



87.7926, 0.2729, 0.3370



54.5758, 0.3020, 0.5983



18.5147, 0.2681, 0.3383



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.



58.7545, 0.2333, 0.3598



77.2393, 0.2334, 0.3601



23.0301, 0.1864, 0.1907



15.5481, 0.2995, 0.3313



33.5265, 0.2332, 0.3593



2.3307, 0.2317, 0.3542

Inverse Universe

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



16.2363, 0.6303, 0.3247



21.3297, 0.6314, 0.3252



23.5867, 0.5715, 0.3843



13.7222, 0.3277, 0.3267



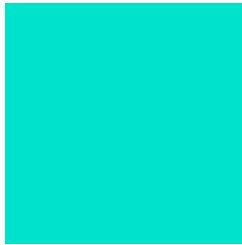
9.2653, 0.6284, 0.3235



0.6497, 0.6000, 0.3079

Previews

White Background



This preview shows how the Yxy color 58.7523, 0.2333, 0.3598 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 58.7523, 0.2333, 0.3598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

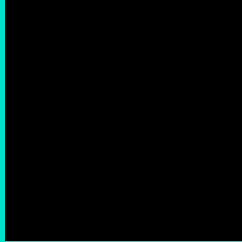
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

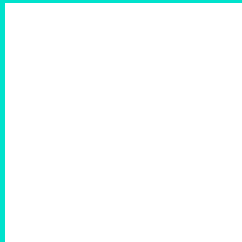
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.7523, 0.2333, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 58.7523, 0.2333, 0.3598.

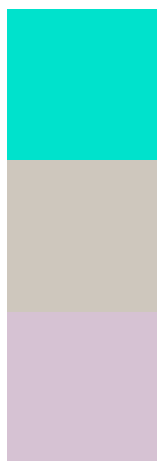


This preview shows how white text looks on a background with the Yxy color 58.7523, 0.2333, 0.3598.

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

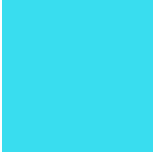
58.7523, 0.2333, 0.3598

Protanopia

57.6428, 0.3257, 0.3409

Deuteranopia

57.5829, 0.3160, 0.3096



Tritanopia

58.8148, 0.2238, 0.3052

Trichromacy



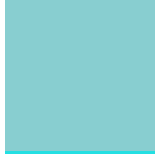
Original Color

58.7523, 0.2333, 0.3598



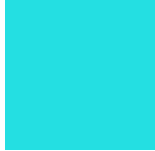
Protanomaly

54.3213, 0.2694, 0.3493



Deuteranomaly

53.9309, 0.2638, 0.3262



Tritanomaly

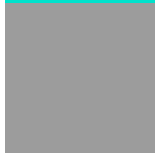
58.6414, 0.2261, 0.3247

Monochromacy



Original Color

58.7523, 0.2333, 0.3598



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

38.7175, 0.2576, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7523, 0.2333, 0.3598 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(0, 226, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 204)  
}
```

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(0, 226, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 204) }
```

Border

The CSS property to change the border of an element to Yxy 58.7523, 0.2333, 0.3598 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(0, 226, 204) }
```

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

```
.border{ border-color:rgb(0, 226, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7523, 0.2333, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 204) }
```

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

```
.background{ background-color: rgb(0, 226,  
204) }
```

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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