

Converting Colors

$Y_{xy}(58.1053, 0.2159, 0.3266)$

Have a look what the booklet for
Yxy(58.1053, 0.2159, 0.3266)
contains.

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Color

Yxy(59.3414, 0.2243, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	00E1E2
RGB	0, 225, 226
RGB Percent	0%, 88%, 89%
CMY	0.9985, 0.1176, 0.1138
CMYK	1.00, 0.00, 0.00, 0.11
HSL	180°, 100%, 44%
HSV	180°, 100%, 89%
XYZ	40.6545, 59.3414, 81.2546
YIQ	157.8390, -134.4210, -47.3890

Conversions

Conversions Part 2

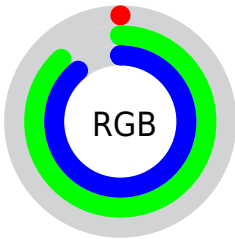
Format	Color
RYB	0, 113, 226
Decimal	57826
CIELab	81.48, -43.44, -13.34
CIELCh	81, 45.443, 197.074
Yxy	59.3414, 0.2243, 0.3274
Android (android.graphics.Color)	4278247906 (0xFF00E1E2)
YUV	157.8390, 33.6034, -138.4248
Hunter-Lab	77.0334, -40.6048, -8.6156

Details

The Yxy color **59.3414, 0.2243, 0.3274** 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 **16.1979, 0.6396, 0.3302**, and the grayscale version is **34.0606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **31.3162, 0.2237, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **59.3402, 0.2243, 0.3274**, and if you desaturate by 10%, it is **59.5767, 0.2256, 0.3275**.

Distribution



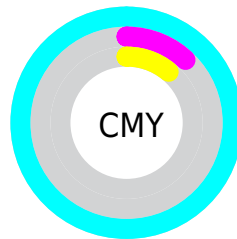
- Red (0%)
- Green (88%)
- Blue (89%)



- Red (0%)
- Yellow (44%)
- Blue (89%)



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





- Cyan (100%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3414, 0.2243, 0.3274 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 59.3414, 0.2243, 0.3274 by changing the saturation by 10% instead.


 59.3414, 0.2243,
0.3274


 59.3414, 0.2243,
0.3274


 422.1659, 0.2654,
0.3295


 42.8880, 0.2150,
0.3265


 103.8737, 0.2385,
0.3284


 29.7973, 0.2035,
0.3253


 132.7214, 0.2441,
0.3288


 19.6847, 0.1891,
0.3233


 166.4693, 0.2488,
0.3290

 12.1661, 0.1707,
0.3202

 205.5018, 0.2530,
0.3292

 6.8569, 0.1462,
0.3147

 250.2033, 0.2567,
0.3293

 3.3728, 0.1131,
0.3046

 300.9583, 0.2599,

 1.3293, 0.0326,

0.3294

0.2939

358.1510, 0.2628,
0.3295

■ 0.1637, 0.0000,
0.1277

■ 0.0000, 0.0000,
0.0000

■ 59.3414, 0.2243,
0.3274

■ 59.3414, 0.2243,
0.3274

■ 59.3402, 0.2243,
0.3274

■ 59.5767, 0.2256,
0.3275

■ 60.0196, 0.2283,
0.3277

■ 60.7376, 0.2328,
0.3278

■ 61.7689, 0.2392,
0.3280

■ 63.1456, 0.2476,
0.3282

■ 64.8960, 0.2579,
0.3283

■ 67.0452, 0.2698,
0.3285

■ 69.6164, 0.2831,
0.3287

■ 72.6309, 0.2976,
0.3288

Harmonies

Analogous

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



59.3414, 0.2634, 0.3871



59.3414, 0.2243, 0.3274



59.3414, 0.2083, 0.2757

Triad

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



59.3414, 0.2243, 0.3274



59.3414, 0.2985, 0.2498



59.3414, 0.4158, 0.4072

Complementary

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



59.3414, 0.2243, 0.3274



16.1979, 0.6396, 0.3302

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.



59.3414, 0.4296, 0.3652



59.3414, 0.2243, 0.3274



59.3414, 0.3584, 0.2791

Square

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



59.3414, 0.2243, 0.3274



59.3414, 0.2477, 0.2373



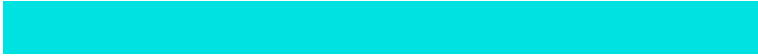
59.3414, 0.4084, 0.3199



59.3414, 0.3740, 0.4335

Rectangle

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



59.3414, 0.2243, 0.3274



59.3414, 0.2111, 0.2527



59.3414, 0.4084, 0.3199



59.3414, 0.4240, 0.3942

Sweetspot

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



59.3436, 0.2243, 0.3274



88.0503, 0.2693, 0.3285



54.3907, 0.3000, 0.5999



18.5773, 0.2641, 0.3284



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.



59.3436, 0.2243, 0.3274



78.0284, 0.2243, 0.3274



17.3454, 0.1767, 0.1559



15.5615, 0.2982, 0.3289



33.8620, 0.2243, 0.3274



2.3505, 0.2244, 0.3276

Inverse Universe

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



21.6118, 0.3220, 0.1548



28.4082, 0.3220, 0.1548



28.0204, 0.5423, 0.4075



13.9346, 0.3139, 0.3060



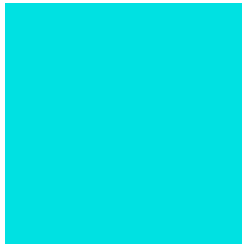
12.3264, 0.3220, 0.1548



0.8547, 0.3218, 0.1547

Previews

White Background



This preview shows how the Yxy color 59.3414, 0.2243, 0.3274 looks on a white background.

Color Contrast Check

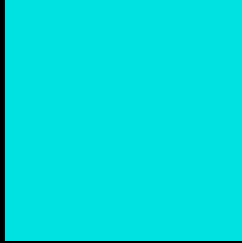
Large Text (above 18pt) WCAG AA × Fail

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 59.3414, 0.2243, 0.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

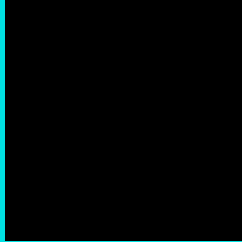
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

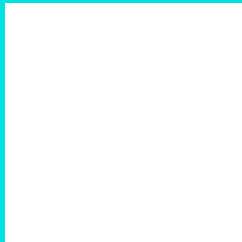
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.3414, 0.2243, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 59.3414, 0.2243, 0.3274.

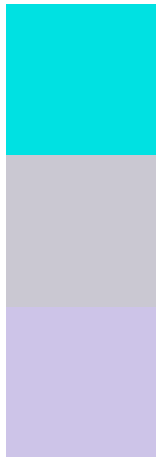


This preview shows how white text looks on a background with the Yxy color 59.3414, 0.2243, 0.3274.

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

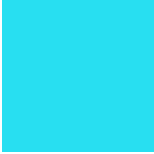
59.3414, 0.2243, 0.3274

Protanopia

58.5183, 0.3071, 0.3173

Deuteranopia

58.2852, 0.2941, 0.2882



Tritanopia

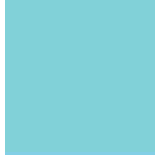
59.5773, 0.2210, 0.3053

Trichromacy



Original Color

59.3414, 0.2243, 0.3274



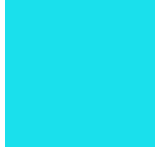
Protanomaly

55.2259, 0.2561, 0.3197



Deuteranomaly

55.1641, 0.2495, 0.2995



Tritanomaly

59.5870, 0.2217, 0.3129

Monochromacy



Original Color

59.3414, 0.2243, 0.3274



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.6415, 0.2530, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3414, 0.2243, 0.3274 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, 225, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 226)  
}
```

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, 225, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 226) }
```

Border

The CSS property to change the border of an element to Yxy 59.3414, 0.2243, 0.3274 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, 225, 226) }
```

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

```
.border{ border-color:rgb(0, 225, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 225, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3414, 0.2243, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 226) }
```

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

```
.background{ background-color: rgb(0, 225,  
226) }
```

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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