

Converting Colors

$Y_{xy}(59.2884, 0.2332, 0.3392)$

Have a look what the booklet for
Yxy(59.2884, 0.2332, 0.3392)
contains.

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Color

Yxy(59.1053, 0.2330, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	36E0D9
RGB	54, 224, 217
RGB Percent	21%, 88%, 85%
CMY	0.7874, 0.1216, 0.1491
CMYK	0.76, 0.00, 0.03, 0.12
HSL	178°, 73%, 55%
HSV	178°, 76%, 88%
XYZ	40.7081, 59.1053, 74.8993
YIQ	172.3720, -99.0730, -38.2170

Conversions

Conversions Part 2

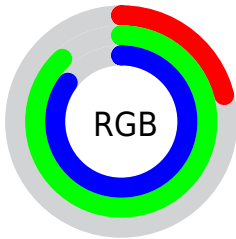
Format	Color
RYB	54, 141, 224
Decimal	3596505
CIELab	81.35, -42.72, -8.71
CIELCh	81, 43.596, 191.520
Yxy	59.1053, 0.2330, 0.3383
Android (android.graphics.Color)	4281786585 (0xFF36E0D9)
YUV	172.3720, 22.0016, -103.8122
Hunter-Lab	76.8800, -40.0239, -3.9465

Details

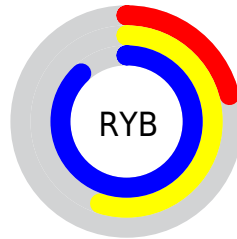
The Yxy color **59.1053, 0.2330, 0.3383** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.8441, 0.5665, 0.3243**, and the grayscale version is **41.4087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **30.6139, 0.2277, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **58.5735, 0.2299, 0.3397**, and if you desaturate by 10%, it is **59.9273, 0.2380, 0.3369**.

Distribution



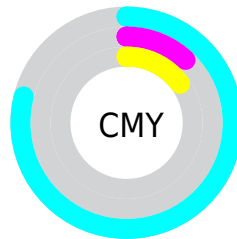
- Red (21%)
- Green (88%)
- Blue (85%)



- Red (21%)
- Yellow (55%)
- Blue (88%)



- Cyan (76%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)





- Cyan (79%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.1053, 0.2330, 0.3383 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 59.1053, 0.2330, 0.3383 by changing the saturation by 10% instead.


 59.1053, 0.2330,
0.3383


 59.1053, 0.2330,
0.3383


421.2920, 0.2704,
0.3348


 42.6979, 0.2244,
0.3389


 103.5307, 0.2460,
0.3373


 29.6481, 0.2138,
0.3394


 132.3175, 0.2511,
0.3368

 19.5717, 0.2004,
0.3399


 165.9995, 0.2554,
0.3364

 12.0841, 0.1830,
0.3401

 204.9611, 0.2592,
0.3360

 6.8010, 0.1595,
0.3395

249.5868, 0.2625,
0.3357

 3.3379, 0.1269,
0.3367

300.2609, 0.2654,

 1.3106, 0.0395,

0.3354

357.3679, 0.2680,
0.3351

0.3418

0.1494, 0.0000,
0.1622

0.0000, 0.0000,
0.0000

59.1053, 0.2330,
0.3383

59.1053, 0.2330,
0.3383

58.5735, 0.2299,
0.3397

59.9273, 0.2380,
0.3369

58.2824, 0.2285,
0.3410

61.0675, 0.2449,
0.3356


58.2016, 0.2282,
0.3416


62.5577, 0.2537,
0.3343


64.4243, 0.2643,
0.3330

 66.6912, 0.2764,
0.3318

 69.3800, 0.2897,
0.3306

 72.5112, 0.3041,
0.3296

 76.1036, 0.3191,
0.3286

 80.0212, 0.3339,
0.3278

Harmonies

Analogous

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



59.1053, 0.2744, 0.3941



59.1053, 0.2330, 0.3383



59.1053, 0.2130, 0.2858

Triad

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



59.1053, 0.2330, 0.3383



59.1053, 0.2890, 0.2490



59.1053, 0.4167, 0.3978

Complementary

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



59.1053, 0.2330, 0.3383



18.8441, 0.5665, 0.3243

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.



59.1053, 0.4238, 0.3562



59.1053, 0.2330, 0.3383



59.1053, 0.3461, 0.2747

Square

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



59.1053, 0.2330, 0.3383



59.1053, 0.2430, 0.2404



59.1053, 0.3974, 0.3126



59.1053, 0.3808, 0.4267

Rectangle

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



59.1053, 0.2330, 0.3383



59.1053, 0.2129, 0.2608



59.1053, 0.3974, 0.3126



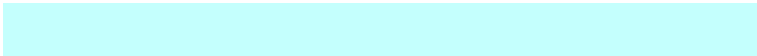
59.1053, 0.4228, 0.3847

Sweetspot

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



59.1075, 0.2330, 0.3383



90.3678, 0.2798, 0.3314



54.6236, 0.3042, 0.5661



19.0803, 0.2751, 0.3319



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.



59.1075, 0.2330, 0.3383



78.3201, 0.2289, 0.3405



27.2243, 0.2006, 0.2141



15.5621, 0.2987, 0.3299



33.8840, 0.2282, 0.3414



2.3517, 0.2276, 0.3393

Inverse Universe

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



18.8441, 0.5665, 0.3243



21.9780, 0.6219, 0.3269



32.2443, 0.4973, 0.4062



13.7097, 0.3286, 0.3281



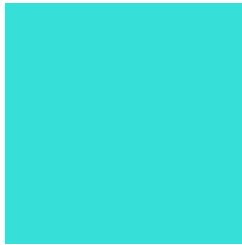
9.2402, 0.6355, 0.3274



0.6438, 0.6223, 0.3202

Previews

White Background



This preview shows how the Yxy color 59.1053, 0.2330, 0.3383 looks on a white background.

Color Contrast Check

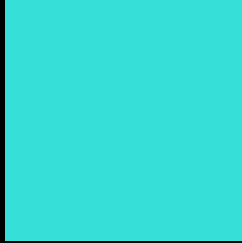
Large Text (above 18pt) WCAG AA × Fail

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 59.1053, 0.2330, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

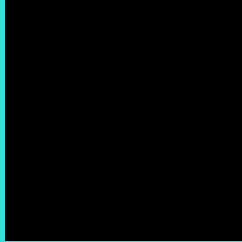
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.1053, 0.2330, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 59.1053, 0.2330, 0.3383.

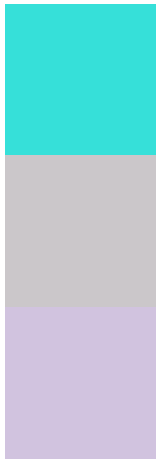


This preview shows how white text looks on a background with the Yxy color 59.1053, 0.2330, 0.3383.

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

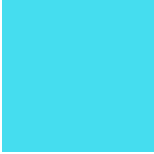
59.1053, 0.2330, 0.3383

Protanopia

57.8076, 0.3137, 0.3255

Deuteranopia

57.9132, 0.3034, 0.2971



Tritanopia

59.2101, 0.2264, 0.3054

Trichromacy



Original Color

59.1053, 0.2330, 0.3383



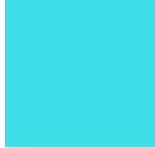
Protanomaly

56.0063, 0.2724, 0.3302



Deuteranomaly

56.1354, 0.2665, 0.3100



Tritanomaly

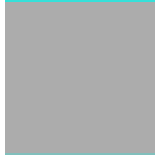
59.1021, 0.2287, 0.3169

Monochromacy



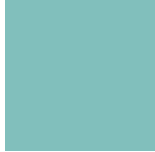
Original Color

59.1053, 0.2330, 0.3383



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.5596, 0.2688, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1053, 0.2330, 0.3383 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(54, 224, 217)` looks like.

```
.text, #text, p{  
    color:rgb(54, 224, 217)  
}
```

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(54, 224, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 224, 217) }
```

Border

The CSS property to change the border of an element to Yxy 59.1053, 0.2330, 0.3383 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(54, 224, 217) }
```

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

```
.border{ border-color:rgb(54, 224, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 224, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(54, 224, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(54, 224, 217); box-shadow:4px 4px 4px 4px rgb(54, 224, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1053, 0.2330, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 224, 217) }
```

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

```
.background{ background-color: rgb(54, 224,  
217) }
```

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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