

Converting Colors

$Y_{xy}(59.7602, 0.2276, 0.3359)$

Have a look what the booklet for
Yxy(59.7602, 0.2276, 0.3359)
contains.

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Color

Yxy(59.7516, 0.2275, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	13E2DD
RGB	19, 226, 221
RGB Percent	7%, 89%, 87%
CMY	0.9261, 0.1137, 0.1332
CMYK	0.92, 0.00, 0.02, 0.11
HSL	179°, 85%, 48%
HSV	179°, 92%, 89%
XYZ	40.5171, 59.7516, 77.8285
YIQ	163.5370, -121.7670, -45.4390

Conversions

Conversions Part 2

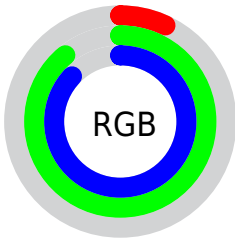
Format	Color
R _{YB}	19, 124, 226
Decimal	1303261
CIE Lab	81.70, -44.83, -10.37
CIE LCh	82, 46.015, 193.023
Yxy	59.7516, 0.2275, 0.3355
Android (android.graphics.Color)	4279493341 (0xFF13E2DD)
YUV	163.5370, 28.3293, -126.7589
Hunter-Lab	77.2992, -41.7110, -5.5866

Details

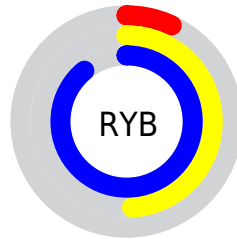
The Yxy color **59.7516, 0.2275, 0.3355** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.6953, 0.6245, 0.3283**, and the grayscale version is **36.7804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **31.5026, 0.2266, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **59.5928, 0.2267, 0.3361**, and if you desaturate by 10%, it is **60.1266, 0.2297, 0.3347**.

Distribution



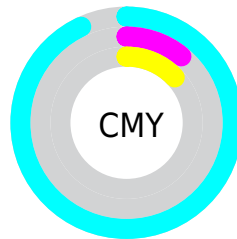
- Red (7%)
- Green (89%)
- Blue (87%)



- Red (7%)
- Yellow (49%)
- Blue (89%)



- Cyan (92%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)





- Cyan (93%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7516, 0.2275, 0.3355 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 59.7516, 0.2275, 0.3355 by changing the saturation by 10% instead.

 59.7516, 0.2275,
0.3355


 59.7516, 0.2275,
0.3355


423.6816, 0.2672,
0.3336

 43.2184, 0.2184,
0.3356

 104.4692, 0.2413,
0.3351

 30.0566, 0.2073,
0.3356


 133.4225, 0.2466,
0.3348

 19.8815, 0.1933,
0.3354

 167.2847, 0.2513,
0.3346

 12.3089, 0.1751,
0.3345

 206.4400, 0.2553,
0.3344

 6.9544, 0.1510,
0.3323

 251.2730, 0.2588,
0.3341

 3.4336, 0.1180,
0.3270

302.1680, 0.2619,

 1.3621, 0.0328,

0.3339

359.5094, 0.2647,
0.3337

0.3264

■ 0.1885, 0.0000,
0.1685

■ 0.0000, 0.0000,
0.0000

■ 59.7516, 0.2275,
0.3355

■ 59.7516, 0.2275,
0.3355

■ 59.5928, 0.2267,
0.3361

■ 60.1266, 0.2297,
0.3347

■ 60.7666, 0.2337,
0.3340

■ 61.7136, 0.2395,
0.3332

■ 63.0006, 0.2474,
0.3324

■ 64.6564, 0.2570,
0.3317

■ 66.7067, 0.2684,
0.3310

■ 69.1751, 0.2813,
0.3303

■ 72.0831, 0.2953,
0.3297

■ 75.4508, 0.3102,
0.3291

Harmonies

Analogous

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



59.7516, 0.2697, 0.3951



59.7516, 0.2275, 0.3355



59.7516, 0.2081, 0.2810

Triad

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



59.7516, 0.2275, 0.3355



59.7516, 0.2905, 0.2463



59.7516, 0.4206, 0.4027

Complementary

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



59.7516, 0.2275, 0.3355



16.6953, 0.6245, 0.3283

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.



59.7516, 0.4300, 0.3593



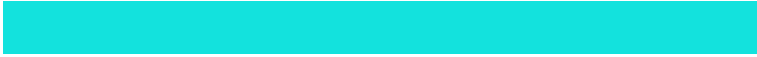
59.7516, 0.2275, 0.3355



59.7516, 0.3507, 0.2739

Square

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



59.7516, 0.2275, 0.3355



59.7516, 0.2416, 0.2363



59.7516, 0.4039, 0.3137



59.7516, 0.3814, 0.4325

Rectangle

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



59.7516, 0.2275, 0.3355



59.7516, 0.2087, 0.2558



59.7516, 0.4039, 0.3137



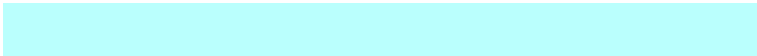
59.7516, 0.4275, 0.3890

Sweetspot

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



59.7538, 0.2275, 0.3355



89.0920, 0.2740, 0.3306



54.6574, 0.3012, 0.5935



18.8399, 0.2697, 0.3309



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.



59.7538, 0.2275, 0.3355



78.3524, 0.2267, 0.3362



21.4166, 0.1851, 0.1811



15.5664, 0.2985, 0.3295



33.9993, 0.2267, 0.3360



2.3585, 0.2263, 0.3348

Inverse Universe

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



16.6953, 0.6245, 0.3283



21.2734, 0.6384, 0.3290



28.5970, 0.5350, 0.4061



13.7058, 0.3288, 0.3285



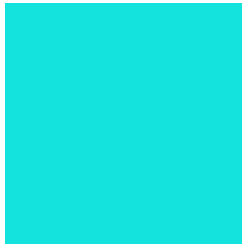
9.2335, 0.6374, 0.3285



0.6419, 0.6296, 0.3242

Previews

White Background



This preview shows how the Yxy color 59.7516, 0.2275, 0.3355 looks on a white background.

Color Contrast Check

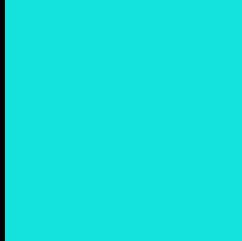
Large Text (above 18pt) WCAG AA × Fail

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 59.7516, 0.2275, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

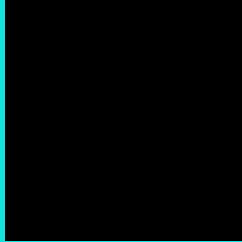
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7516, 0.2275, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 59.7516, 0.2275, 0.3355.

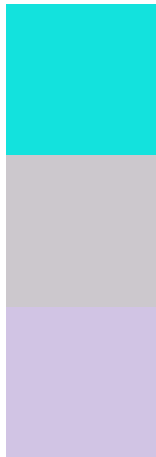


This preview shows how white text looks on a background with the Yxy color 59.7516, 0.2275, 0.3355.

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

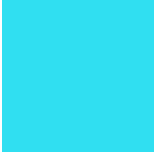
59.7516, 0.2275, 0.3355

Protanopia

58.5537, 0.3122, 0.3231

Deuteranopia

58.6366, 0.2998, 0.2929



Tritanopia

59.7546, 0.2222, 0.3053

Trichromacy



Original Color

59.7516, 0.2275, 0.3355



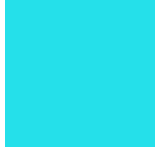
Protanomaly

55.6224, 0.2632, 0.3262



Deuteranomaly

55.6373, 0.2569, 0.3059



Tritanomaly

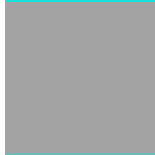
59.6451, 0.2236, 0.3155

Monochromacy



Original Color

59.7516, 0.2275, 0.3355



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

41.9580, 0.2591, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7516, 0.2275, 0.3355 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(19, 226, 221)` looks like.

```
.text, #text, p{  
    color:rgb(19, 226, 221)  
}
```

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(19, 226, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 226, 221) }
```

Border

The CSS property to change the border of an element to Yxy 59.7516, 0.2275, 0.3355 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(19, 226, 221) }
```

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

```
.border{ border-color:rgb(19, 226, 221) }
```

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

Here you see how a box with a 4 pixel rgb(19, 226, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 226, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 226, 221);  
box-shadow:4px 4px 4px 4px rgb(19, 226,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7516, 0.2275, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 226, 221) }
```

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

```
.background{ background-color: rgb(19, 226,  
221) }
```

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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