

Converting Colors

$Y_{xy}(59.2987, 0.2254, 0.3294)$

Have a look what the booklet for
Yxy(59.2987, 0.2254, 0.3294)
contains.

Yxy(59.3104, 0.2256, 0.3301)	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(59.3104, 0.2256, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	0CE1E0
RGB	12, 225, 224
RGB Percent	5%, 88%, 88%
CMY	0.9514, 0.1177, 0.1216
CMYK	0.94, 0.00, 0.00, 0.12
HSL	180°, 90%, 47%
HSV	180°, 94%, 88%
XYZ	40.5345, 59.3104, 79.8292
YIQ	161.1990, -126.6270, -45.4670

Conversions

Conversions Part 2

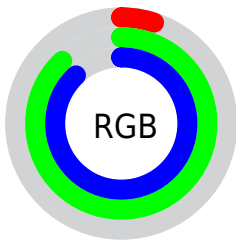
Format	Color
RYB	12, 119, 225
Decimal	844256
CIELab	81.46, -43.74, -12.30
CIElCh	81, 45.436, 195.712
Yxy	59.3104, 0.2256, 0.3301
Android (android.graphics.Color)	4279034336 (0xFF0CE1E0)
YUV	161.1990, 30.9609, -130.8475
Hunter-Lab	77.0132, -40.8231, -7.5486

Details

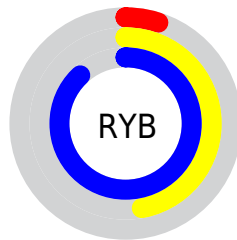
The Yxy color **59.3104, 0.2256, 0.3301** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.3101, 0.6320, 0.3297**, and the grayscale version is **35.6927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **31.2405, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **59.2284, 0.2251, 0.3302**, and if you desaturate by 10%, it is **59.5928, 0.2275, 0.3300**.

Distribution



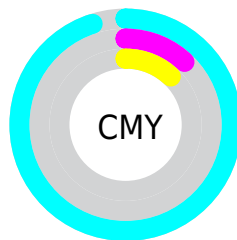
- Red (5%)
- Green (88%)
- Blue (88%)



- Red (5%)
- Yellow (47%)
- Blue (88%)



- Cyan (94%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)





- Cyan (95%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3104, 0.2256, 0.3301 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 59.3104, 0.2256, 0.3301 by changing the saturation by 10% instead.

 59.3104, 0.2256,
0.3301

 59.3104, 0.2256,
0.3301


422.0512, 0.2661,
0.3309

 42.8630, 0.2164,
0.3296


 103.8287, 0.2397,
0.3306

 29.7777, 0.2050,
0.3287


 132.6684, 0.2451,
0.3308


 19.6699, 0.1908,
0.3273


 166.4076, 0.2498,
0.3309

 12.1553, 0.1724,
0.3249

 205.4308, 0.2539,
0.3309

 6.8495, 0.1481,
0.3206

 250.1224, 0.2575,
0.3309

 3.3682, 0.1149,
0.3120

300.8667, 0.2607,

 1.3268, 0.0318,

0.3309

358.0482, 0.2636,
0.3309

0.3047

■ 0.1618, 0.0000,
0.1349

■ 0.0000, 0.0000,
0.0000

■ 59.3104, 0.2256,
0.3301

■ 59.3104, 0.2256,
0.3301

■ 59.2284, 0.2251,
0.3302

■ 59.5928, 0.2275,
0.3300

■ 60.1246, 0.2310,
0.3298

■ 60.9498, 0.2365,
0.3297

■ 62.1025, 0.2439,
0.3295

■ 63.6125, 0.2532,
0.3294

■ 65.5058, 0.2643,
0.3293

■ 67.8063, 0.2769,
0.3292

■ 70.5358, 0.2908,
0.3291

■ 73.7147, 0.3058,
0.3290

Harmonies

Analogous

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



59.3104, 0.2656, 0.3896



59.3104, 0.2256, 0.3301



59.3104, 0.2085, 0.2776

Triad

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



59.3104, 0.2256, 0.3301



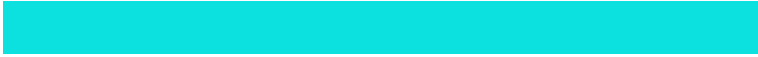
59.3104, 0.2959, 0.2489



59.3104, 0.4171, 0.4055

Complementary

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



59.3104, 0.2256, 0.3301



16.3101, 0.6320, 0.3297

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.



59.3104, 0.4294, 0.3632



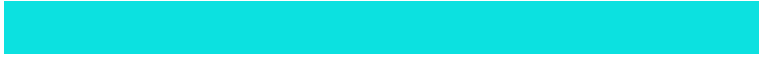
59.3104, 0.2256, 0.3301



59.3104, 0.3557, 0.2775

Square

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



59.3104, 0.2256, 0.3301



59.3104, 0.2458, 0.2372



59.3104, 0.4066, 0.3179



59.3104, 0.3763, 0.4329

Rectangle

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



59.3104, 0.2256, 0.3301



59.3104, 0.2106, 0.2539



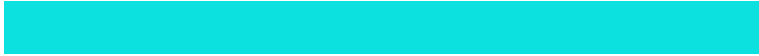
59.3104, 0.4066, 0.3179



59.3104, 0.4249, 0.3923

Sweetspot

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



59.3126, 0.2256, 0.3301



88.8594, 0.2721, 0.3292



53.9871, 0.3005, 0.5963



18.7400, 0.2666, 0.3293



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.



59.3126, 0.2256, 0.3301



78.6628, 0.2251, 0.3302



19.4955, 0.1817, 0.1708



15.5712, 0.2983, 0.3291



34.1309, 0.2251, 0.3302



2.3661, 0.2250, 0.3299

Inverse Universe

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



16.3101, 0.6320, 0.3297



21.2626, 0.6397, 0.3298



28.3315, 0.5365, 0.4079



13.7016, 0.3291, 0.3289



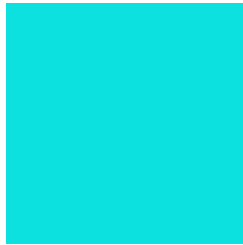
9.2261, 0.6395, 0.3297



0.6399, 0.6380, 0.3288

Previews

White Background



This preview shows how the Yxy color 59.3104, 0.2256, 0.3301 looks on a white background.

Color Contrast Check

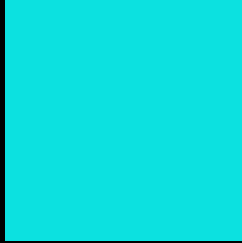
Large Text (above 18pt) WCAG AA × Fail

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 59.3104, 0.2256, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

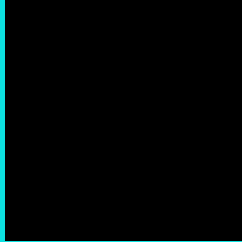
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.3104, 0.2256, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 59.3104, 0.2256, 0.3301.



This preview shows how white text looks on a background with the Yxy color 59.3104, 0.2256, 0.3301.

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

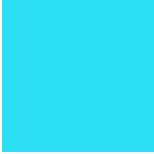
59.3104, 0.2256, 0.3301

Protanopia

58.4192, 0.3085, 0.3196

Deuteranopia

58.3148, 0.2962, 0.2904



Tritanopia

59.1070, 0.2211, 0.3039

Trichromacy



Original Color

59.3104, 0.2256, 0.3301



Protanomaly

55.4425, 0.2593, 0.3223



Deuteranomaly

55.4613, 0.2531, 0.3021



Tritanomaly

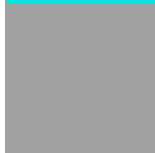
59.0806, 0.2223, 0.3128

Monochromacy



Original Color

59.3104, 0.2256, 0.3301



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

40.8675, 0.2563, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3104, 0.2256, 0.3301 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(12, 225, 224)` looks like.

```
.text, #text, p{  
    color:rgb(12, 225, 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(12, 225, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 225, 224) }
```

Border

The CSS property to change the border of an element to Yxy 59.3104, 0.2256, 0.3301 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(12, 225, 224) }
```

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

```
.border{ border-color:rgb(12, 225, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 225, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 225, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 225, 224);  
box-shadow:4px 4px 4px 4px rgb(12, 225,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3104, 0.2256, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 225, 224) }
```

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

```
.background{ background-color: rgb(12, 225,  
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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