

Converting Colors

$Y_{xy}(59.9811, 0.2312, 0.3474)$

Have a look what the booklet for
Yxy(59.9811, 0.2312, 0.3474)
contains.

Yxy(59.9754, 0.2310, 0.3466)	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(59.9754, 0.2310, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	18E3D6
RGB	24, 227, 214
RGB Percent	9%, 89%, 84%
CMY	0.9071, 0.1098, 0.1608
CMYK	0.90, 0.00, 0.06, 0.11
HSL	176°, 81%, 49%
HSV	176°, 90%, 89%
XYZ	39.9721, 59.9754, 73.0918
YIQ	164.8210, -116.8150, -47.0790

Conversions

Conversions Part 2

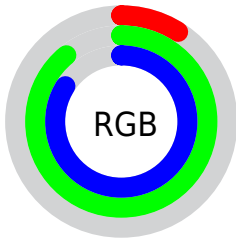
Format	Color
R_{YB}	24, 129, 227
Decimal	1631190
CIE _{Lab}	81.82, -47.05, -6.46
CIE _{LCh}	82, 47.492, 187.812
Yxy	59.9754, 0.2310, 0.3466
Android (android.graphics.Color)	4279821270 (0xFF18E3D6)
YUV	164.8210, 24.2452, -123.5000
Hunter-Lab	77.4438, -43.3951, -1.7475

Details

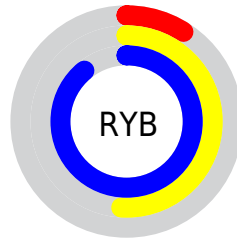
The Yxy color **59.9754, 0.2310, 0.3466** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.1012, 0.6128, 0.3242**, and the grayscale version is **37.4104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **31.6290, 0.2307, 0.3504** is the 20% darker color. If you saturate the color by 10%, you get **59.7199, 0.2303, 0.3487**, and if you desaturate by 10%, it is **60.4516, 0.2333, 0.3445**.

Distribution



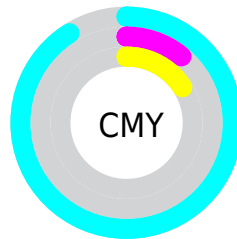
- Red (9%)
- Green (89%)
- Blue (84%)



- Red (9%)
- Yellow (51%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)




- Cyan (91%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9754, 0.2310, 0.3466 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 59.9754, 0.2310, 0.3466 by changing the saturation by 10% instead.


 59.9754, 0.2310,
0.3466


 59.9754, 0.2310,
0.3466


424.5071, 0.2693,
0.3390

 43.3988, 0.2222,
0.3481


 104.7940, 0.2443,
0.3441


 30.1982, 0.2114,
0.3499


 133.8048, 0.2495,
0.3431


 19.9890, 0.1976,
0.3520


 167.7291, 0.2539,
0.3422

 12.3871, 0.1798,
0.3544

 206.9513, 0.2578,
0.3414

 7.0079, 0.1559,
0.3569

 251.8558, 0.2612,
0.3407

 3.4670, 0.1228,
0.3588

302.8270, 0.2642,

 1.3801, 0.0261,

0.3401

0.3760

360.2493, 0.2669,
0.3396

■ 0.2020, 0.0000,
0.2313

■ 0.0000, 0.0000,
0.0000

■ 59.9754, 0.2310,
0.3466

■ 59.9754, 0.2310,
0.3466

■ 59.7199, 0.2303,
0.3487

■ 60.4516, 0.2333,
0.3445

■ 59.7103, 0.2302,
0.3488

■ 61.2052, 0.2373,
0.3423

■ 62.2768, 0.2434,
0.3402

■ 63.6989, 0.2513,
0.3380

■ 65.4999, 0.2611,
0.3360

■ 67.7053, 0.2724,
0.3340

■ 70.3382, 0.2851,
0.3322

■ 73.4203, 0.2989,
0.3305

■ 76.9716, 0.3134,
0.3289

Harmonies

Analogous

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



59.9754, 0.2776, 0.4065



59.9754, 0.2310, 0.3466



59.9754, 0.2068, 0.2878

Triad

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



59.9754, 0.2310, 0.3466



59.9754, 0.2798, 0.2409



59.9754, 0.4279, 0.3973

Complementary

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



59.9754, 0.2310, 0.3466



17.1012, 0.6128, 0.3242

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.



59.9754, 0.4316, 0.3516



59.9754, 0.2310, 0.3466



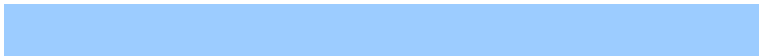
59.9754, 0.3409, 0.2664

Square

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



59.9754, 0.2310, 0.3466



59.9754, 0.2328, 0.2340



59.9754, 0.3987, 0.3054



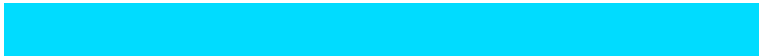
59.9754, 0.3919, 0.4318

Rectangle

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



59.9754, 0.2310, 0.3466



59.9754, 0.2047, 0.2593



59.9754, 0.3987, 0.3054



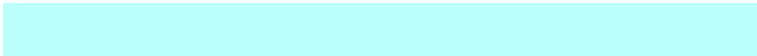
59.9754, 0.4332, 0.3827

Sweetspot

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



59.9777, 0.2310, 0.3466



88.9180, 0.2754, 0.3336



55.3943, 0.3026, 0.5903



18.7980, 0.2712, 0.3342



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.



59.9777, 0.2310, 0.3466



77.7353, 0.2303, 0.3489



24.1701, 0.1896, 0.1954



16.3197, 0.2990, 0.3305



34.8339, 0.2301, 0.3485



2.5789, 0.2293, 0.3454

Inverse Universe

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



17.1012, 0.6128, 0.3242



21.2983, 0.6353, 0.3273



27.9350, 0.5388, 0.4002



14.3828, 0.3282, 0.3275



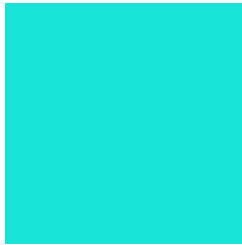
9.5493, 0.6331, 0.3261



0.7109, 0.6142, 0.3157

Previews

White Background



This preview shows how the Yxy color 59.9754, 0.2310, 0.3466 looks on a white background.

Color Contrast Check

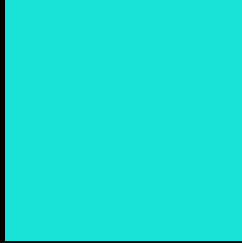
Large Text (above 18pt) WCAG AA × Fail

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 59.9754, 0.2310, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

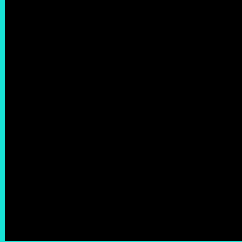
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

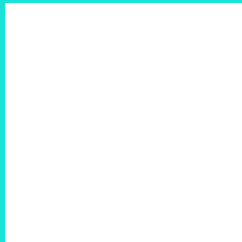
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.9754, 0.2310, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 59.9754, 0.2310, 0.3466.

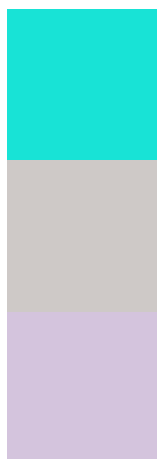


This preview shows how white text looks on a background with the Yxy color 59.9754, 0.2310, 0.3466.

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

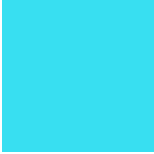
59.9874, 0.2310, 0.3466

Protanopia

59.0186, 0.3181, 0.3314

Deuteranopia

58.6974, 0.3071, 0.3007



Tritanopia

59.9670, 0.2236, 0.3054

Trichromacy



Original Color

59.9874, 0.2310, 0.3466



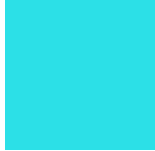
Protanomaly

56.0283, 0.2690, 0.3368



Deuteranomaly

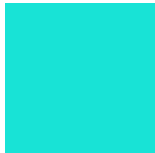
55.6169, 0.2630, 0.3147



Tritanomaly

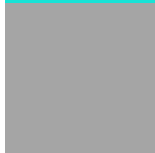
59.6163, 0.2257, 0.3194

Monochromacy



Original Color

59.9874, 0.2310, 0.3466



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

42.9627, 0.2620, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9754, 0.2310, 0.3466 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(24, 227, 214)` looks like.

```
.text, #text, p{  
    color:rgb(24, 227, 214)  
}
```

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(24, 227, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 227, 214) }
```

Border

The CSS property to change the border of an element to Yxy 59.9754, 0.2310, 0.3466 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(24, 227, 214) }
```

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

```
.border{ border-color:rgb(24, 227, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 227, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 227, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 227, 214);  
box-shadow:4px 4px 4px 4px rgb(24, 227,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9754, 0.2310, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 227, 214) }
```

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

```
.background{ background-color: rgb(24, 227,  
214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor