

Converting Colors

$Y_{xy}(54.1059, 0.1580, 0.3611)$

Have a look what the booklet for
Yxy(54.1059, 0.1580, 0.3611)
contains.

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Color

Yxy(63.0819, 0.2322, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	00E9D5
RGB	0, 233, 213
RGB Percent	0%, 91%, 84%
CMY	1.0000, 0.0862, 0.1646
CMYK	1.00, 0.00, 0.09, 0.09
HSL	175°, 100%, 46%
HSV	175°, 100%, 91%
XYZ	41.1450, 63.0819, 72.9695
YIQ	161.0530, -132.4480, -55.6160

Conversions

Conversions Part 2

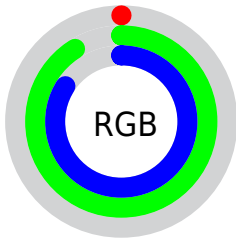
Format	Color
RYB	0, 122, 233
Decimal	59861
CIELab	83.49, -50.58, -3.49
CIELCh	83, 50.701, 183.952
Yxy	63.0819, 0.2322, 0.3560
Android (android.graphics.Color)	4278249941 (0xFF00E9D5)
YUV	161.0530, 25.6099, -141.2435
Hunter-Lab	79.4241, -46.5218, 1.1253

Details

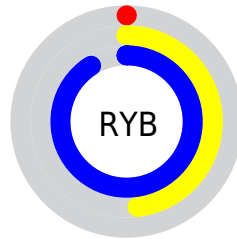
The Yxy color **63.0819, 0.2322, 0.3560** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.3756, 0.6323, 0.3257**, and the grayscale version is **35.5948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **33.5193, 0.2336, 0.3608** is the 20% darker color. If you saturate the color by 10%, you get **63.0880, 0.2322, 0.3560**, and if you desaturate by 10%, it is **63.3759, 0.2327, 0.3531**.

Distribution



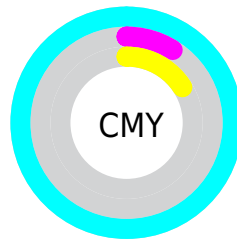
- Red (0%)
- Green (91%)
- Blue (84%)



- Red (0%)
- Yellow (48%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0819, 0.2322, 0.3560 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 63.0819, 0.2322, 0.3560 by changing the saturation by 10% instead.

 63.0819, 0.2322,
0.3560

 63.0819, 0.2322,
0.3560


435.8667, 0.2697,
0.3438


 45.9075, 0.2236,
0.3587


 109.2877, 0.2452,
0.3518


 32.1728, 0.2130,
0.3619


 139.0878, 0.2503,
0.3502


 21.4935, 0.1997,
0.3660


 173.8652, 0.2547,
0.3488

 13.4852, 0.1824,
0.3710

 214.0045, 0.2585,
0.3475

 7.7635, 0.1592,
0.3773

 259.8898, 0.2618,
0.3464

 3.9440, 0.1271,
0.3853

311.9057, 0.2648,

 1.6423, 0.0459,

0.3455

0.4096

370.4365, 0.2674,
0.3446

■ 0.3859, 0.0000,
0.3674

■ 0.0000, 0.0000,
0.0000

■ 63.0819, 0.2322,
0.3560

■ 63.0819, 0.2322,
0.3560

■ 63.0880, 0.2322,
0.3560

■ 63.3759, 0.2327,
0.3531

■ 63.8885, 0.2347,
0.3502

■ 64.6968, 0.2386,
0.3472

■ 65.8420, 0.2444,
0.3443

■ 67.3591, 0.2521,
0.3414

■ 69.2785, 0.2616,
0.3386

■ 71.6275, 0.2727,
0.3360

■ 74.4309, 0.2851,
0.3334

■ 77.7119, 0.2985,
0.3311

Harmonies

Analogous

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



63.0819, 0.2832, 0.4173



63.0819, 0.2322, 0.3560



63.0819, 0.2039, 0.2925

Triad

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



63.0819, 0.2322, 0.3560



63.0819, 0.2707, 0.2351



63.0819, 0.4360, 0.3941

Complementary

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



63.0819, 0.2322, 0.3560



17.3756, 0.6323, 0.3257

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.



63.0819, 0.4351, 0.3458



63.0819, 0.2322, 0.3560



63.0819, 0.3336, 0.2593

Square

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



63.0819, 0.2322, 0.3560



63.0819, 0.2245, 0.2305



63.0819, 0.3962, 0.2984



63.0819, 0.4016, 0.4331

Rectangle

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



63.0819, 0.2322, 0.3560



63.0819, 0.1995, 0.2607



63.0819, 0.3962, 0.2984



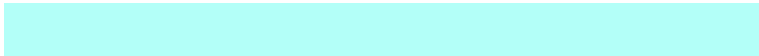
63.0819, 0.4400, 0.3784

Sweetspot

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



63.0880, 0.2322, 0.3560



87.8487, 0.2725, 0.3360



58.4687, 0.3020, 0.5984



18.5284, 0.2676, 0.3371



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.



63.0880, 0.2322, 0.3560



77.4102, 0.2323, 0.3561



24.5831, 0.1862, 0.1902



17.0983, 0.2993, 0.3310



35.8036, 0.2321, 0.3555



2.8180, 0.2310, 0.3515

Inverse Universe

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



17.3756, 0.6323, 0.3257



21.3175, 0.6329, 0.3260



25.1897, 0.5721, 0.3839



15.0750, 0.3279, 0.3270



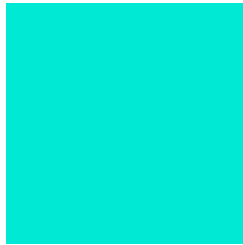
9.8658, 0.6304, 0.3246



0.7819, 0.6073, 0.3119

Previews

White Background



This preview shows how the Yxy color 63.0819, 0.2322, 0.3560 looks on a white background.

Color Contrast Check

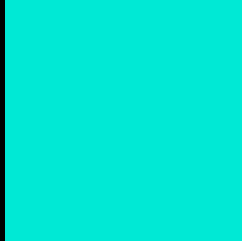
Large Text (above 18pt) WCAG AA × Fail

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 63.0819, 0.2322, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

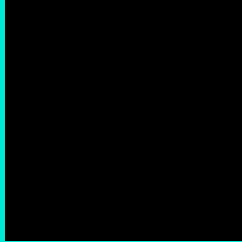
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.0819, 0.2322, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 63.0819, 0.2322, 0.3560.

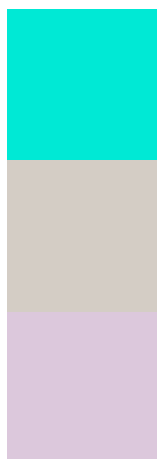


This preview shows how white text looks on a background with the Yxy color 63.0819, 0.2322, 0.3560.

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

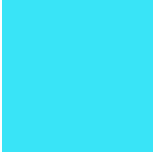
63.0819, 0.2322, 0.3560

Protanopia

61.6909, 0.3239, 0.3383

Deuteranopia

61.6915, 0.3138, 0.3068



Tritanopia

63.0721, 0.2233, 0.3047

Trichromacy



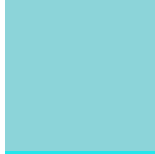
Original Color

63.0819, 0.2322, 0.3560



Protanomaly

58.0636, 0.2675, 0.3447



Deuteranomaly

57.6722, 0.2621, 0.3224



Tritanomaly

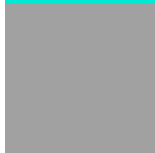
62.9669, 0.2253, 0.3222

Monochromacy



Original Color

63.0819, 0.2322, 0.3560



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

41.6607, 0.2566, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0819, 0.2322, 0.3560 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, 233, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 213)  
}
```

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, 233, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 213) }
```

Border

The CSS property to change the border of an element to Yxy 63.0819, 0.2322, 0.3560 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, 233, 213) }
```

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

```
.border{ border-color:rgb(0, 233, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0819, 0.2322, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 213) }
```

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

```
.background{ background-color: rgb(0, 233,  
213) }
```

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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