

Converting Colors

$Yxy(51.4722, 0.1505, 0.3315)$

Have a look what the booklet for
Yxy(51.4722, 0.1505, 0.3315)
contains.

Yxy(60.9778, 0.2254, 0.3314)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.9778, 0.2254, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	00E4E2
RGB	0, 228, 226
RGB Percent	0%, 89%, 89%
CMY	0.9994, 0.1059, 0.1136
CMYK	1.00, 0.00, 0.01, 0.11
HSL	179°, 100%, 45%
HSV	179°, 100%, 89%
XYZ	41.4737, 60.9778, 81.5491
YIQ	159.6000, -135.2460, -48.9580

Conversions

Conversions Part 2

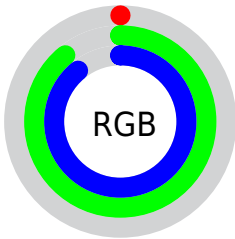
Format	Color
RYB	0, 115, 228
Decimal	58594
CIELab	82.37, -44.75, -12.03
CIELCh	82, 46.343, 195.046
Yxy	60.9778, 0.2254, 0.3314
Android (android.graphics.Color)	4278248674 (0xFF00E4E2)
YUV	159.6000, 32.7352, -139.9692
Hunter-Lab	78.0883, -41.8507, -7.2559

Details

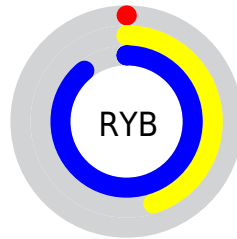
The Yxy color **60.9778, 0.2254, 0.3314** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.5018, 0.6393, 0.3296**, and the grayscale version is **34.8754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **32.4453, 0.2251, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **60.9791, 0.2254, 0.3314**, and if you desaturate by 10%, it is **61.1715, 0.2266, 0.3311**.

Distribution



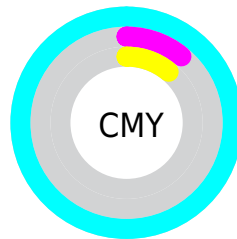
- Red (0%)
- Green (89%)
- Blue (89%)



- Red (0%)
- Yellow (45%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (100%)
- Magenta (11%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9778, 0.2254, 0.3314 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 60.9778, 0.2254, 0.3314 by changing the saturation by 10% instead.


 60.9778, 0.2254,
0.3314


 60.9778, 0.2254,
0.3314

 428.1926, 0.2658,
0.3315


 44.2073, 0.2162,
0.3310

 106.2468, 0.2394,
0.3317


 30.8335, 0.2050,
0.3304

 135.5140, 0.2448,
0.3318

 20.4721, 0.1909,
0.3292

 169.7156, 0.2495,
0.3318

 12.7387, 0.1728,
0.3272

 209.2359, 0.2536,
0.3317

 7.2488, 0.1489,
0.3235

 254.4594, 0.2572,
0.3317

 3.6182, 0.1165,
0.3158

 305.7704, 0.2604,

 1.4624, 0.0439,

0.3317

0.3078

363.5533, 0.2633,
0.3316

■ 0.2620, 0.0000,
0.1875

■ 0.0000, 0.0000,
0.0000

■ 60.9778, 0.2254,
0.3314

■ 60.9778, 0.2254,
0.3314

■ 60.9791, 0.2254,
0.3314

■ 61.1715, 0.2266,
0.3311

■ 61.5758, 0.2291,
0.3309

■ 62.2604, 0.2335,
0.3306

■ 63.2644, 0.2398,
0.3303

■ 64.6207, 0.2481,
0.3301

■ 66.3582, 0.2582,
0.3298

■ 68.5028, 0.2700,
0.3296

■ 71.0780, 0.2832,
0.3294

■ 74.1056, 0.2976,
0.3292

Harmonies

Analogous

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



60.9778, 0.2662, 0.3915



60.9778, 0.2254, 0.3314



60.9778, 0.2076, 0.2780

Triad

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



60.9778, 0.2254, 0.3314



60.9778, 0.2944, 0.2477



60.9778, 0.4188, 0.4053

Complementary

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



60.9778, 0.2254, 0.3314



16.5018, 0.6393, 0.3296

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.



60.9778, 0.4305, 0.3624



60.9778, 0.2254, 0.3314



60.9778, 0.3548, 0.2762

Square

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



60.9778, 0.2254, 0.3314



60.9778, 0.2443, 0.2363



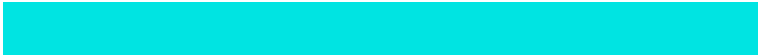
60.9778, 0.4068, 0.3167



60.9778, 0.3781, 0.4336

Rectangle

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



60.9778, 0.2254, 0.3314



60.9778, 0.2094, 0.2538



60.9778, 0.4068, 0.3167



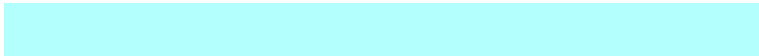
60.9778, 0.4264, 0.3919

Sweetspot

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



60.9801, 0.2254, 0.3314



88.2215, 0.2697, 0.3296



55.5128, 0.3003, 0.5997



18.6191, 0.2645, 0.3297



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.



60.9801, 0.2254, 0.3314



78.5981, 0.2254, 0.3314



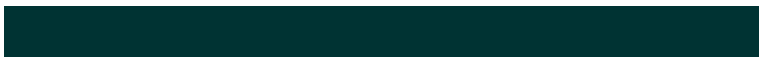
18.5285, 0.1782, 0.1613



16.3341, 0.2983, 0.3292



35.2124, 0.2254, 0.3314



2.6028, 0.2253, 0.3310

Inverse Universe

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



16.5018, 0.6393, 0.3296



21.2649, 0.6395, 0.3296



27.7055, 0.5475, 0.4034



14.3700, 0.3291, 0.3288



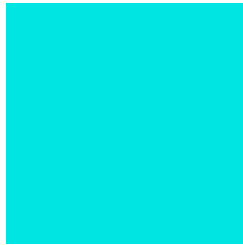
9.5276, 0.6391, 0.3294



0.7048, 0.6364, 0.3279

Previews

White Background



This preview shows how the Yxy color 60.9778, 0.2254, 0.3314 looks on a white background.

Color Contrast Check

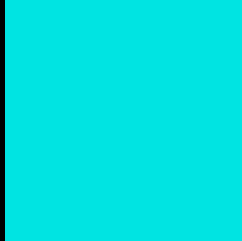
Large Text (above 18pt) WCAG AA × Fail

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 60.9778, 0.2254, 0.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

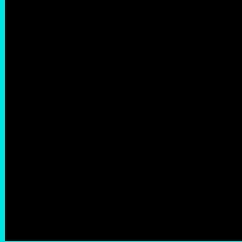
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.9778, 0.2254, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 60.9778, 0.2254, 0.3314.

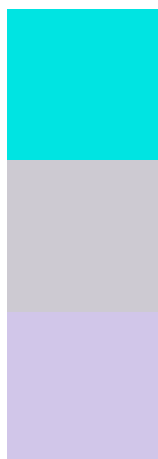


This preview shows how white text looks on a background with the Yxy color 60.9778, 0.2254, 0.3314.

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

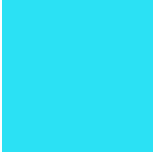
60.9778, 0.2254, 0.3314

Protanopia

59.8733, 0.3093, 0.3197

Deuteranopia

59.8267, 0.2964, 0.2898



Tritanopia

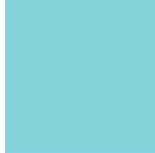
60.8957, 0.2211, 0.3042

Trichromacy



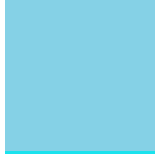
Original Color

60.9778, 0.2254, 0.3314



Protanomaly

56.3717, 0.2576, 0.3223



Deuteranomaly

56.3006, 0.2509, 0.3022



Tritanomaly

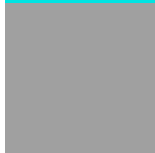
60.7401, 0.2222, 0.3143

Monochromacy



Original Color

60.9778, 0.2254, 0.3314



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

40.9834, 0.2537, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9778, 0.2254, 0.3314 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, 228, 226)` looks like.

```
.text, #text, p{  
  color:rgb(0, 228, 226)  
}
```

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, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 226) }
```

Border

The CSS property to change the border of an element to Yxy 60.9778, 0.2254, 0.3314 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, 228, 226) }
```

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

```
.border{ border-color:rgb(0, 228, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9778, 0.2254, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 226) }
```

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

```
.background{ background-color: rgb(0, 228,  
226) }
```

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