

Converting Colors

$Y_{xy}(62.7298, 0.2254, 0.3314)$

Have a look what the booklet for
Yxy(62.7298, 0.2254, 0.3314)
contains.

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Color

Yxy(62.8090, 0.2254, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	00E7E5
RGB	0, 231, 229
RGB Percent	0%, 91%, 90%
CMY	0.9994, 0.0941, 0.1020
CMYK	1.00, 0.00, 0.01, 0.09
HSL	179°, 100%, 45%
HSV	179°, 100%, 91%
XYZ	42.7192, 62.8090, 83.9980
YIQ	161.7030, -137.0340, -49.5940

Conversions

Conversions Part 2

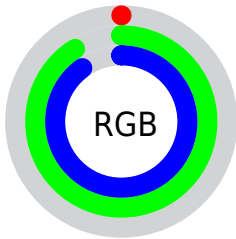
Format	Color
RYB	0, 116, 231
Decimal	59365
CIELab	83.34, -45.20, -12.15
CIELCh	83, 46.802, 195.046
Yxy	62.8090, 0.2254, 0.3314
Android (android.graphics.Color)	4278249445 (0xFF00E7E5)
YUV	161.7030, 33.1774, -141.8135
Hunter-Lab	79.2521, -42.4745, -7.3640

Details

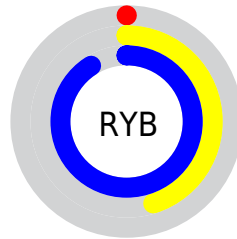
The Yxy color **62.8090, 0.2254, 0.3314** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **16.9973, 0.6393, 0.3296**, and the grayscale version is **35.8975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **33.7159, 0.2251, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **62.8103, 0.2254, 0.3314**, and if you desaturate by 10%, it is **63.0067, 0.2265, 0.3311**.

Distribution



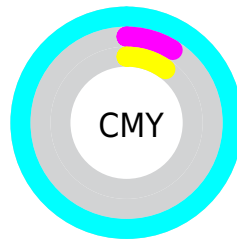
- Red (0%)
- Green (91%)
- Blue (90%)



- Red (0%)
- Yellow (45%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8090, 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 62.8090, 0.2254, 0.3314 by changing the saturation by 10% instead.


 62.8090, 0.2254,
0.3314

 62.8090, 0.2254,
0.3314


434.8760, 0.2656,
0.3316

 45.6867, 0.2163,
0.3310

 108.8939, 0.2393,
0.3317


 31.9987, 0.2053,
0.3304


 138.6253, 0.2447,
0.3318


 21.3605, 0.1914,
0.3293


 173.3286, 0.2494,
0.3318

 13.3878, 0.1736,
0.3273

 213.3880, 0.2535,
0.3317

 7.6961, 0.1502,
0.3237

 259.1881, 0.2570,
0.3317

 3.9011, 0.1187,
0.3165

311.1132, 0.2602,

 1.6184, 0.0569,

0.3317

0.3065

369.5477, 0.2631,
0.3316

■ 0.3700, 0.0000,
0.2240

■ 0.0000, 0.0000,
0.0000

■ 62.8090, 0.2254,
0.3314

■ 62.8090, 0.2254,
0.3314

■ 62.8103, 0.2254,
0.3314

■ 63.0067, 0.2265,
0.3311

■ 63.4218, 0.2291,
0.3309

■ 64.1257, 0.2335,
0.3306

■ 65.1590, 0.2398,
0.3303

■ 66.5556, 0.2480,
0.3301

■ 68.3453, 0.2581,
0.3298

■ 70.5548, 0.2699,
0.3296

■ 73.2085, 0.2832,
0.3294

■ 76.3289, 0.2976,
0.3292

Harmonies

Analogous

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



62.8090, 0.2662, 0.3915



62.8090, 0.2254, 0.3314



62.8090, 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.



62.8090, 0.2254, 0.3314



62.8090, 0.2944, 0.2477



62.8090, 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.



62.8090, 0.2254, 0.3314



16.9973, 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.



62.8090, 0.4305, 0.3624



62.8090, 0.2254, 0.3314



62.8090, 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.



62.8090, 0.2254, 0.3314



62.8090, 0.2443, 0.2363



62.8090, 0.4068, 0.3167



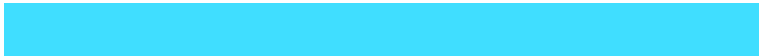
62.8090, 0.3781, 0.4336

Rectangle

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



62.8090, 0.2254, 0.3314



62.8090, 0.2094, 0.2538



62.8090, 0.4068, 0.3167



62.8090, 0.4264, 0.3919

Sweetspot

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



62.8113, 0.2254, 0.3314



88.2215, 0.2697, 0.3296



57.1794, 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.



62.8113, 0.2254, 0.3314



78.5982, 0.2254, 0.3314



19.0651, 0.1781, 0.1611



16.3341, 0.2983, 0.3292



35.2125, 0.2254, 0.3314



2.6028, 0.2253, 0.3310

Inverse Universe

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



16.9973, 0.6393, 0.3296



21.2649, 0.6395, 0.3296



28.5180, 0.5476, 0.4033



14.3700, 0.3291, 0.3288



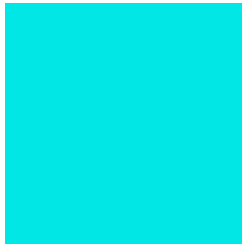
9.5276, 0.6391, 0.3294



0.7048, 0.6364, 0.3279

Previews

White Background



This preview shows how the Yxy color 62.8090, 0.2254, 0.3314 looks on a white background.

Color Contrast Check

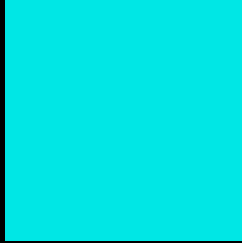
Large Text (above 18pt) WCAG AA × Fail

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 62.8090, 0.2254, 0.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

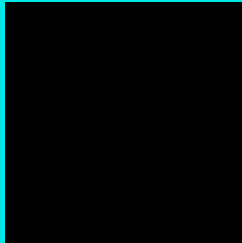
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8090, 0.2254, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 62.8090, 0.2254, 0.3314.

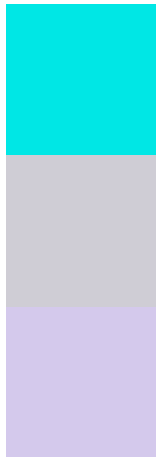


This preview shows how white text looks on a background with the Yxy color 62.8090, 0.2254, 0.3314.

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

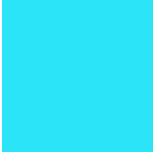
62.8090, 0.2254, 0.3314

Protanopia

61.7321, 0.3086, 0.3198

Deuteranopia

61.8265, 0.2967, 0.2903



Tritanopia

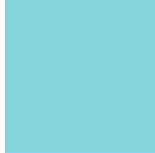
62.7377, 0.2212, 0.3045

Trichromacy



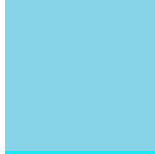
Original Color

62.8090, 0.2254, 0.3314



Protanomaly

58.1131, 0.2571, 0.3224



Deuteranomaly

58.1211, 0.2511, 0.3025



Tritanomaly

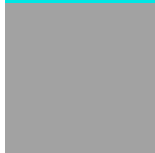
62.5768, 0.2223, 0.3145

Monochromacy



Original Color

62.8090, 0.2254, 0.3314



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

41.9694, 0.2536, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8090, 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, 231, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 229)  
}
```

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, 231, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 229) }
```

Border

The CSS property to change the border of an element to Yxy 62.8090, 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, 231, 229) }
```

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

```
.border{ border-color:rgb(0, 231, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 231, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8090, 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, 231, 229) }
```

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

```
.background{ background-color: rgb(0, 231,  
229) }
```

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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