

Converting Colors

$Yxy(64.1121, 0.2190, 0.3544)$

Have a look what the booklet for
Yxy(64.1121, 0.2190, 0.3544)
contains.

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Color

Yxy(65.6828, 0.2313, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	00EDDB
RGB	0, 237, 219
RGB Percent	0%, 93%, 86%
CMY	1.0000, 0.0705, 0.1411
CMYK	1.00, 0.00, 0.08, 0.07
HSL	175°, 100%, 46%
HSV	175°, 100%, 93%
XYZ	43.0624, 65.6828, 77.4305
YIQ	164.0850, -135.4740, -55.8420

Conversions

Conversions Part 2

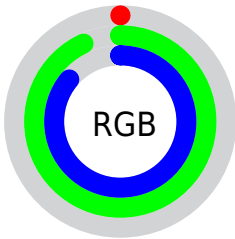
Format	Color
RYB	0, 123, 237
Decimal	60891
CIELab	84.83, -50.61, -4.67
CIElCh	85, 50.823, 185.267
Yxy	65.6828, 0.2313, 0.3528
Android (android.graphics.Color)	4278250971 (0xFF00EDDB)
YUV	164.0850, 27.0731, -143.9025
Hunter-Lab	81.0449, -46.9843, 0.0857

Details

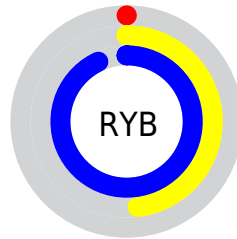
The Yxy color **65.6828, 0.2313, 0.3528** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.0505, 0.6336, 0.3264**, and the grayscale version is **37.0881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **35.3229, 0.2324, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **65.6909, 0.2313, 0.3528**, and if you desaturate by 10%, it is **65.9768, 0.2319, 0.3503**.

Distribution



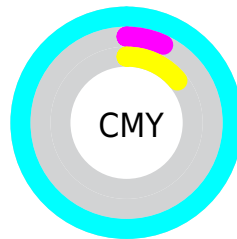
- Red (0%)
- Green (93%)
- Blue (86%)



- Red (0%)
- Yellow (48%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6828, 0.2313, 0.3528 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 65.6828, 0.2313, 0.3528 by changing the saturation by 10% instead.

 65.6828, 0.2313,
0.3528

 65.6828, 0.2313,
0.3528

445.2416, 0.2689,
0.3423


 48.0150, 0.2228,
0.3550


 113.0309, 0.2443,
0.3493

 33.8387, 0.2123,
0.3577


 143.4800, 0.2494,
0.3479

 22.7697, 0.1992,
0.3610


 178.9583, 0.2537,
0.3466

 14.4236, 0.1823,
0.3649

 219.8502, 0.2576,
0.3456

 8.4159, 0.1598,
0.3698

 266.5401, 0.2609,
0.3446

 4.3622, 0.1290,
0.3754

319.4123, 0.2639,

 1.8782, 0.0673,

0.3438

0.3884

378.8514, 0.2665,
0.3430

■ 0.5352, 0.0000,
0.3706

■ 0.0000, 0.0000,
0.0000

■ 65.6828, 0.2313,
0.3528

■ 65.6828, 0.2313,
0.3528

■ 65.6909, 0.2313,
0.3528

■ 65.9768, 0.2319,
0.3503

■ 66.4966, 0.2340,
0.3477

■ 67.3236, 0.2379,
0.3451

■ 68.5010, 0.2437,
0.3425

70.0651, 0.2515,
0.3400

72.0477, 0.2611,
0.3375

74.4773, 0.2723,
0.3351

77.3798, 0.2848,
0.3329

80.7792, 0.2984,
0.3309

Harmonies

Analogous

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



65.6828, 0.2810, 0.4141



65.6828, 0.2313, 0.3528



65.6828, 0.2044, 0.2905

Triad

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



65.6828, 0.2313, 0.3528



65.6828, 0.2736, 0.2366



65.6828, 0.4338, 0.3955

Complementary

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



65.6828, 0.2313, 0.3528



18.0505, 0.6336, 0.3264

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.



65.6828, 0.4346, 0.3478



65.6828, 0.2313, 0.3528



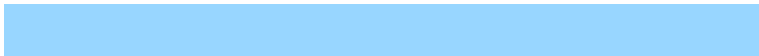
65.6828, 0.3363, 0.2614

Square

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



65.6828, 0.2313, 0.3528



65.6828, 0.2269, 0.2312



65.6828, 0.3977, 0.3006



65.6828, 0.3987, 0.4333

Rectangle

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



65.6828, 0.2313, 0.3528



65.6828, 0.2007, 0.2597



65.6828, 0.3977, 0.3006



65.6828, 0.4384, 0.3801

Sweetspot

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



65.6909, 0.2313, 0.3528



87.8956, 0.2721, 0.3352



60.7221, 0.3015, 0.5988



18.5397, 0.2672, 0.3362



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.



65.6909, 0.2313, 0.3528



77.5545, 0.2314, 0.3529



24.3662, 0.1845, 0.1841



17.1010, 0.2991, 0.3308



35.8691, 0.2312, 0.3524



2.8225, 0.2302, 0.3488

Inverse Universe

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



18.0505, 0.6336, 0.3264



21.3083, 0.6340, 0.3266



26.8842, 0.5675, 0.3876



15.0726, 0.3281, 0.3272



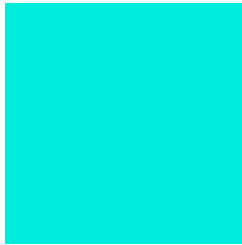
9.8608, 0.6317, 0.3254



0.7808, 0.6108, 0.3138

Previews

White Background



This preview shows how the Yxy color 65.6828, 0.2313, 0.3528 looks on a white background.

Color Contrast Check

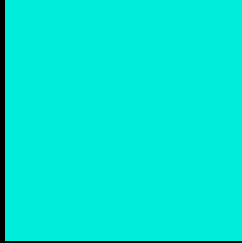
Large Text (above 18pt) WCAG AA × Fail

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 65.6828, 0.2313, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

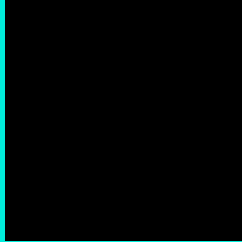
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.6828, 0.2313, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 65.6828, 0.2313, 0.3528.

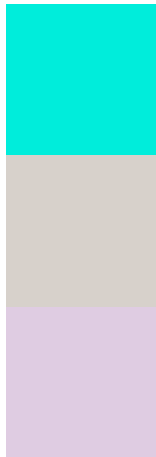


This preview shows how white text looks on a background with the Yxy color 65.6828, 0.2313, 0.3528.

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

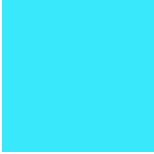
65.6828, 0.2313, 0.3528

Protanopia

64.3598, 0.3215, 0.3358

Deuteranopia

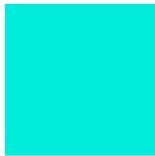
64.3647, 0.3116, 0.3050



Tritanopia

65.5481, 0.2232, 0.3050

Trichromacy



Original Color

65.6828, 0.2313, 0.3528



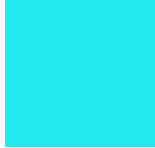
Protanomaly

60.5849, 0.2660, 0.3418



Deuteranomaly

60.1902, 0.2607, 0.3200



Tritanomaly

65.4527, 0.2252, 0.3223

Monochromacy



Original Color

65.6828, 0.2313, 0.3528



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.6654, 0.2564, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6828, 0.2313, 0.3528 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, 237, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 219)  
}
```

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, 237, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 219) }
```

Border

The CSS property to change the border of an element to Yxy 65.6828, 0.2313, 0.3528 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, 237, 219) }
```

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

```
.border{ border-color:rgb(0, 237, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 237, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6828, 0.2313, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 219) }
```

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

```
.background{ background-color: rgb(0, 237,  
219) }
```

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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