

Converting Colors

$Yxy(65.0959, 0.2332, 0.3596)$

Have a look what the booklet for
Yxy(65.0959, 0.2332, 0.3596)
contains.

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Color

Yxy(64.8459, 0.2329, 0.3585)

Conversions

Conversions Part 1

Format	Color
Hex	00ECD6
RGB	0, 236, 214
RGB Percent	0%, 93%, 84%
CMY	1.0000, 0.0745, 0.1608
CMYK	1.00, 0.00, 0.09, 0.07
HSL	174°, 100%, 46%
HSV	174°, 100%, 93%
XYZ	42.1272, 64.8459, 73.9080
YIQ	162.9280, -133.5940, -56.8740

Conversions

Conversions Part 2

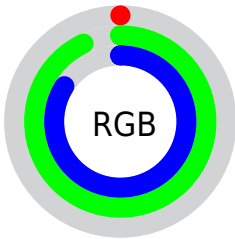
Format	Color
RYB	0, 124, 236
Decimal	60630
CIELab	84.40, -51.55, -2.66
CIELCh	84, 51.623, 182.951
Yxy	64.8459, 0.2329, 0.3585
Android (android.graphics.Color)	4278250710 (0xFF00ECD6)
YUV	162.9280, 25.1785, -142.8879
Hunter-Lab	80.5270, -47.5409, 1.9522

Details

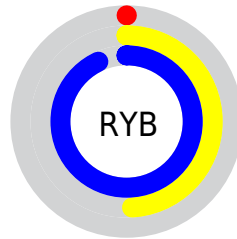
The Yxy color **64.8459, 0.2329, 0.3585** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.8926, 0.6315, 0.3252**, and the grayscale version is **36.5186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **34.7434, 0.2345, 0.3640** is the 20% darker color. If you saturate the color by 10%, you get **64.8514, 0.2329, 0.3585**, and if you desaturate by 10%, it is **65.1540, 0.2333, 0.3553**.

Distribution



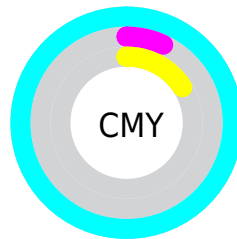
- Red (0%)
- Green (93%)
- Blue (84%)



- Red (0%)
- Yellow (49%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8459, 0.2329, 0.3585 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 64.8459, 0.2329, 0.3585 by changing the saturation by 10% instead.


 64.8459, 0.2329,
0.3585


 64.8459, 0.2329,
0.3585


442.2380, 0.2700,
0.3451

 47.3361, 0.2245,
0.3615


 111.8283, 0.2458,
0.3539

 33.3015, 0.2141,
0.3651


 142.0697, 0.2508,
0.3521


 22.3575, 0.2009,
0.3696


 177.3238, 0.2551,
0.3505

 14.1198, 0.1840,
0.3753

 217.9749, 0.2588,
0.3492

 8.2040, 0.1614,
0.3826

 264.4075, 0.2621,
0.3480

 4.2258, 0.1300,
0.3922

317.0060, 0.2650,

 1.8007, 0.0594,

0.3469

0.4157

376.1547, 0.2676,
0.3459

■ 0.4876, 0.0000,
0.4049

■ 0.0000, 0.0000,
0.0000

■ 64.8459, 0.2329,
0.3585

■ 64.8459, 0.2329,
0.3585


■ 64.8514, 0.2329,
0.3585


■ 65.1540, 0.2333,
0.3553


■ 65.6886, 0.2353,
0.3521


■ 66.5279, 0.2390,
0.3489

■ 67.7147, 0.2448,
0.3457

 69.2849, 0.2524,
0.3425

 71.2700, 0.2619,
0.3395

 73.6981, 0.2729,
0.3366

 76.5949, 0.2853,
0.3339

 79.9842, 0.2986,
0.3313

Harmonies

Analogous

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



64.8459, 0.2849, 0.4199



64.8459, 0.2329, 0.3585



64.8459, 0.2036, 0.2940

Triad

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



64.8459, 0.2329, 0.3585



64.8459, 0.2684, 0.2339



64.8459, 0.4376, 0.3929

Complementary

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



64.8459, 0.2329, 0.3585



17.8926, 0.6315, 0.3252

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.



64.8459, 0.4355, 0.3442



64.8459, 0.2329, 0.3585



64.8459, 0.3315, 0.2576

Square

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



64.8459, 0.2329, 0.3585



64.8459, 0.2226, 0.2300



64.8459, 0.3951, 0.2966



64.8459, 0.4039, 0.4329

Rectangle

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



64.8459, 0.2329, 0.3585



64.8459, 0.1986, 0.2614



64.8459, 0.3951, 0.2966



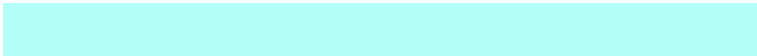
64.8459, 0.4413, 0.3770

Sweetspot

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



64.8514, 0.2329, 0.3585



87.8131, 0.2728, 0.3366



60.1861, 0.3019, 0.5985



18.5197, 0.2679, 0.3378



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.



64.8514, 0.2329, 0.3585



77.3014, 0.2330, 0.3586



25.2857, 0.1862, 0.1901



17.0962, 0.2994, 0.3312



35.7542, 0.2328, 0.3580



2.8146, 0.2316, 0.3536

Inverse Universe

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



17.8926, 0.6315, 0.3252



21.3251, 0.6320, 0.3255



25.9121, 0.5723, 0.3838



15.0769, 0.3278, 0.3268



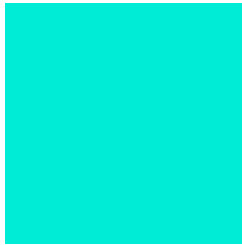
9.8699, 0.6293, 0.3240



0.7828, 0.6046, 0.3104

Previews

White Background



This preview shows how the Yxy color 64.8459, 0.2329, 0.3585 looks on a white background.

Color Contrast Check

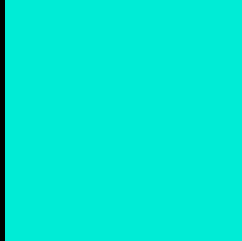
Large Text (above 18pt) WCAG AA × Fail

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 64.8459, 0.2329, 0.3585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

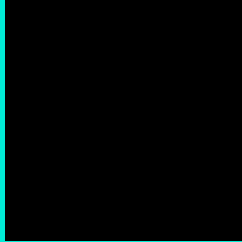
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8459, 0.2329, 0.3585

Background



This preview shows how black text looks on a background with the Yxy color 64.8459, 0.2329, 0.3585.

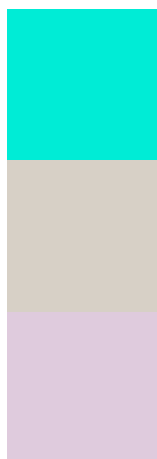


This preview shows how white text looks on a background with the Yxy color 64.8459, 0.2329, 0.3585.

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

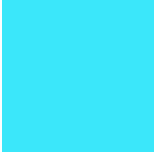
64.8459, 0.2329, 0.3585

Protanopia

63.6360, 0.3251, 0.3405

Deuteranopia

63.6203, 0.3152, 0.3092



Tritanopia

64.9838, 0.2235, 0.3050

Trichromacy



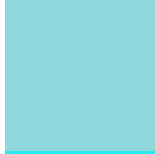
Original Color

64.8459, 0.2329, 0.3585



Protanomaly

59.8208, 0.2686, 0.3471



Deuteranomaly

59.4136, 0.2632, 0.3250



Tritanomaly

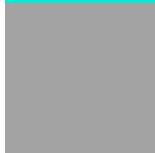
64.8043, 0.2258, 0.3236

Monochromacy



Original Color

64.8459, 0.2329, 0.3585



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

43.1474, 0.2573, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8459, 0.2329, 0.3585 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, 236, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 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(0, 236, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 214) }
```

Border

The CSS property to change the border of an element to Yxy 64.8459, 0.2329, 0.3585 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, 236, 214) }
```

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

```
.border{ border-color:rgb(0, 236, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 236, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8459, 0.2329, 0.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 236, 214) }
```

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

```
.background{ background-color: rgb(0, 236,  
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](#).

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