

Converting Colors

$Y_{xy}(65.5281, 0.2332, 0.3595)$

Have a look what the booklet for
Yxy(65.5281, 0.2332, 0.3595)
contains.

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Color

Yxy(65.4234, 0.2333, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	00EDD6
RGB	0, 237, 214
RGB Percent	0%, 93%, 84%
CMY	0.9984, 0.0706, 0.1609
CMYK	1.00, 0.00, 0.10, 0.07
HSL	174°, 100%, 47%
HSV	174°, 100%, 93%
XYZ	42.4216, 65.4234, 73.9877
YIQ	163.5150, -133.8690, -57.3970

Conversions

Conversions Part 2

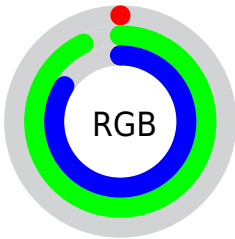
Format	Color
RYB	0, 125, 237
Decimal	60886
CIELab	84.70, -51.95, -2.21
CIELCh	85, 51.997, 182.434
Yxy	65.4234, 0.2333, 0.3598
Android (android.graphics.Color)	4278250966 (0xFF00EDD6)
YUV	163.5150, 24.8891, -143.4027
Hunter-Lab	80.8847, -47.9305, 2.3850

Details

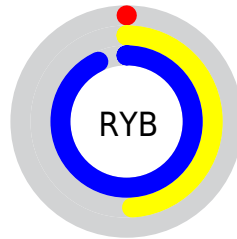
The Yxy color **65.4234, 0.2333, 0.3598** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.0773, 0.6306, 0.3249**, and the grayscale version is **36.8683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **35.1457, 0.2349, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **65.4213, 0.2333, 0.3599**, and if you desaturate by 10%, it is **65.7375, 0.2337, 0.3565**.

Distribution



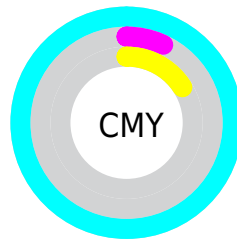
- Red (0%)
- Green (93%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4234, 0.2333, 0.3598 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 65.4234, 0.2333, 0.3598 by changing the saturation by 10% instead.


 65.4234, 0.2333,
0.3598

 65.4234, 0.2333,
0.3598

444.3119, 0.2702,
0.3457


 47.8045, 0.2249,
0.3629


 112.6584, 0.2461,
0.3550


 33.6721, 0.2146,
0.3668

 143.0432, 0.2511,
0.3531


 22.6418, 0.2016,
0.3715


 178.4521, 0.2553,
0.3514

 14.3292, 0.1847,
0.3776

 219.2695, 0.2591,
0.3500

 8.3500, 0.1623,
0.3854

 265.8798, 0.2624,
0.3488

 4.3197, 0.1312,
0.3958

318.6674, 0.2653,

 1.8540, 0.0631,

0.3476

0.4200

378.0166, 0.2678,
0.3466

■ 0.5205, 0.0000,
0.4192

■ 0.0000, 0.0000,
0.0000

■ 65.4234, 0.2333,
0.3598

■ 65.4234, 0.2333,
0.3598

■ 65.4213, 0.2333,
0.3599

■ 65.7375, 0.2337,
0.3565

■ 66.2860, 0.2356,
0.3531

■ 67.1432, 0.2394,
0.3498

■ 68.3520, 0.2451,
0.3464

69.9488, 0.2528,
0.3431

71.9652, 0.2622,
0.3399

74.4296, 0.2733,
0.3369

77.3680, 0.2856,
0.3340

80.8044, 0.2989,
0.3314

Harmonies

Analogous

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



65.4234, 0.2858, 0.4211



65.4234, 0.2333, 0.3598



65.4234, 0.2035, 0.2948

Triad

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



65.4234, 0.2333, 0.3598



65.4234, 0.2673, 0.2333



65.4234, 0.4384, 0.3923

Complementary

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



65.4234, 0.2333, 0.3598



18.0773, 0.6306, 0.3249

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.



65.4234, 0.4356, 0.3433



65.4234, 0.2333, 0.3598



65.4234, 0.3304, 0.2568

Square

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



65.4234, 0.2333, 0.3598



65.4234, 0.2217, 0.2297



65.4234, 0.3945, 0.2957



65.4234, 0.4051, 0.4328

Rectangle

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



65.4234, 0.2333, 0.3598



65.4234, 0.1982, 0.2618



65.4234, 0.3945, 0.2957



65.4234, 0.4419, 0.3763

Sweetspot

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



65.4259, 0.2333, 0.3598



87.7938, 0.2729, 0.3370



60.7657, 0.3020, 0.5984



18.5150, 0.2681, 0.3382



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.



65.4259, 0.2333, 0.3598



77.2429, 0.2333, 0.3600



25.5712, 0.1862, 0.1904



17.0951, 0.2994, 0.3313



35.7276, 0.2331, 0.3593



2.8128, 0.2319, 0.3547

Inverse Universe

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



18.0773, 0.6306, 0.3249



21.3294, 0.6314, 0.3252



26.1979, 0.5719, 0.3839



15.0779, 0.3278, 0.3267



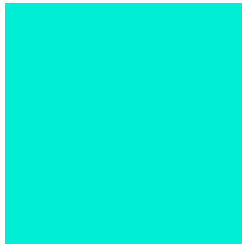
9.8723, 0.6287, 0.3237



0.7833, 0.6032, 0.3097

Previews

White Background



This preview shows how the Yxy color 65.4234, 0.2333, 0.3598 looks on a white background.

Color Contrast Check

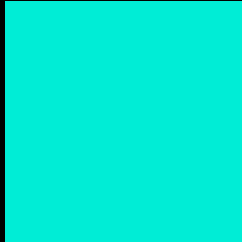
Large Text (above 18pt) WCAG AA × Fail

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 65.4234, 0.2333, 0.3598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

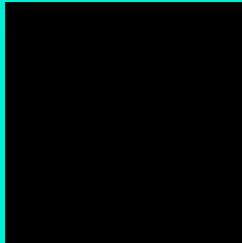
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

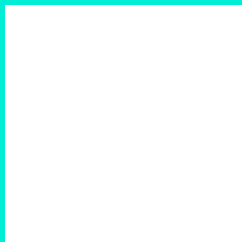
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.4234, 0.2333, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 65.4234, 0.2333, 0.3598.

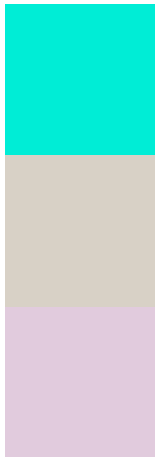


This preview shows how white text looks on a background with the Yxy color 65.4234, 0.2333, 0.3598.

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

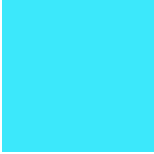
65.4234, 0.2333, 0.3598

Protanopia

64.2771, 0.3258, 0.3416

Deuteranopia

63.9399, 0.3167, 0.3093



Tritanopia

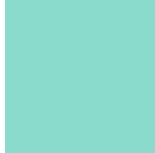
65.6389, 0.2237, 0.3051

Trichromacy



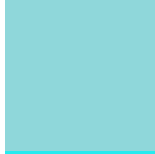
Original Color

65.4234, 0.2333, 0.3598



Protanomaly

60.4259, 0.2693, 0.3483



Deuteranomaly

59.5025, 0.2638, 0.3251



Tritanomaly

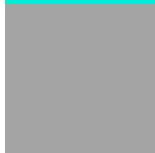
65.4308, 0.2258, 0.3236

Monochromacy



Original Color

65.4234, 0.2333, 0.3598



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.6423, 0.2581, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4234, 0.2333, 0.3598 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 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, 237, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 214) }
```

Border

The CSS property to change the border of an element to Yxy 65.4234, 0.2333, 0.3598 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, 214) }
```

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

```
.border{ border-color:rgb(0, 237, 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, 237, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4234, 0.2333, 0.3598 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, 214) }
```

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

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