

# Converting Colors

$Yxy(63.8801, 0.2336, 0.3563)$

Have a look what the booklet for  
Yxy(63.8801, 0.2336, 0.3563)  
contains.

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# Color

**Yxy(63.8828, 0.2335, 0.3558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18EAD6
RGB	24, 234, 214
RGB Percent	9%, 92%, 84%
CMY	0.9073, 0.0824, 0.1608
CMYK	0.90, 0.00, 0.09, 0.08
HSL	174°, 83%, 51%
HSV	174°, 90%, 92%
XYZ	41.9242, 63.8828, 73.7399
YIQ	168.9300, -118.7400, -50.7400

# Conversions

## Conversions Part 2

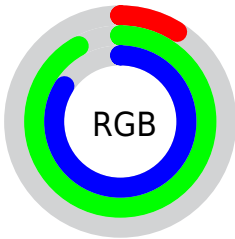
Format	Color
<a href="#">RYB</a>	<a href="#">24, 134, 234</a>
Decimal	<a href="#">1632982</a>
CIELab	<a href="#">83.90, -50.01, -3.39</a>
CIElCh	<a href="#">84, 50.129, 183.872</a>
Yxy	<a href="#">63.8828, 0.2335, 0.3558</a>
Android (android.graphics.Color)	<a href="#">4279823062</a> ( <a href="#">0xFF18EAD6</a> )
YUV	<a href="#">168.9300, 22.2195, -127.1036</a>
Hunter-Lab	<a href="#">79.9267, -46.2426, 1.2481</a>

# Details

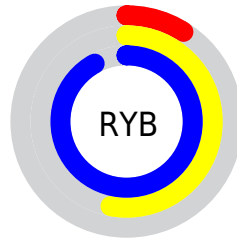
The Yxy color **63.8828, 0.2335, 0.3558** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.3080, 0.6081, 0.3209**, and the grayscale version is **39.5112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **33.9475, 0.2335, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **63.5842, 0.2331, 0.3590**, and if you desaturate by 10%, it is **64.4150, 0.2354, 0.3525**.

# Distribution



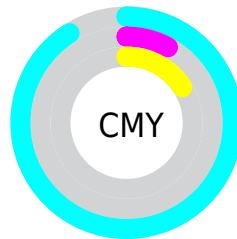
- Red (9%)
- Green (92%)
- Blue (84%)



- Red (9%)
- Yellow (53%)
- Blue (92%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (8%)




- Cyan (91%)
- Magenta (8%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8828, 0.2335, 0.3558 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 63.8828, 0.2335, 0.3558 by changing the saturation by 10% instead.




 63.8828, 0.2335,  
0.3558

 63.8828, 0.2335,  
0.3558


438.7663, 0.2704,  
0.3437

 46.5558, 0.2251,  
0.3585

 110.4421, 0.2463,  
0.3517

 32.6846, 0.2147,  
0.3617


 140.4432, 0.2513,  
0.3500


 21.8849, 0.2016,  
0.3657


 175.4378, 0.2556,  
0.3486

 13.7724, 0.1847,  
0.3707

 215.8102, 0.2593,  
0.3474

 7.9625, 0.1620,  
0.3771

 261.9448, 0.2626,  
0.3463

 4.0710, 0.1306,  
0.3851

314.2261, 0.2655,

 1.7133, 0.0575,

0.3453

0.4067

373.0385, 0.2681,  
0.3445

0.4323, 0.0000,  
0.3793

0.0000, 0.0000,  
0.0000

63.8828, 0.2335,  
0.3558

63.8828, 0.2335,  
0.3558

63.5842, 0.2331,  
0.3590


64.4150, 0.2354,  
0.3525


63.5816, 0.2331,  
0.3591


65.2439, 0.2392,  
0.3493

66.4139, 0.2450,  
0.3460


67.9601, 0.2526,  
0.3428

 69.9131, 0.2621,  
0.3397

 72.3005, 0.2731,  
0.3367

 75.1475, 0.2854,  
0.3339

 78.4773, 0.2988,  
0.3313

 82.3116, 0.3129,  
0.3290

# Harmonies

## Analogous

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



63.8828, 0.2839, 0.4160



63.8828, 0.2335, 0.3558



63.8828, 0.2055, 0.2933

# Triad

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



63.8828, 0.2335, 0.3558



63.8828, 0.2712, 0.2363



63.8828, 0.4342, 0.3932

# Complementary

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



63.8828, 0.2335, 0.3558



18.3080, 0.6081, 0.3209

# 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.



63.8828, 0.4332, 0.3456



63.8828, 0.2335, 0.3558



63.8828, 0.3332, 0.2601

# Square

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



63.8828, 0.2335, 0.3558



63.8828, 0.2256, 0.2319



63.8828, 0.3948, 0.2987



63.8828, 0.4006, 0.4315



# Rectangle

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



63.8828, 0.2335, 0.3558



63.8828, 0.2011, 0.2618



63.8828, 0.3948, 0.2987



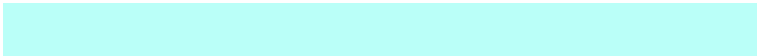
63.8828, 0.4382, 0.3777

# Sweetspot

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



63.8852, 0.2335, 0.3558



88.7837, 0.2764, 0.3359



59.4551, 0.3040, 0.5898



18.7658, 0.2724, 0.3369



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.



63.8852, 0.2335, 0.3558



77.2766, 0.2331, 0.3592



27.8934, 0.1921, 0.2053



17.0958, 0.2994, 0.3312



35.7429, 0.2329, 0.3585



2.8139, 0.2317, 0.3540



# Inverse Universe

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



18.3080, 0.6081, 0.3209



21.3269, 0.6317, 0.3254



28.2329, 0.5486, 0.3928



15.0773, 0.3278, 0.3268



9.8709, 0.6291, 0.3239

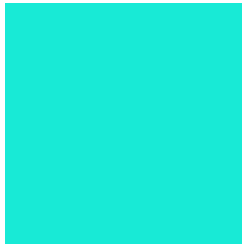


0.7830, 0.6040, 0.3101



# Previews

## White Background



This preview shows how the Yxy color 63.8828, 0.2335, 0.3558 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

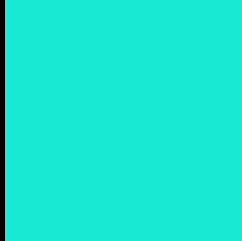
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8828, 0.2335, 0.3558 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

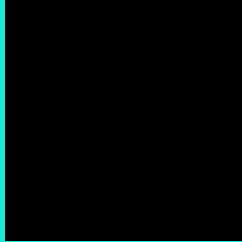
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.8828, 0.2335, 0.3558**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8828, 0.2335, 0.3558.

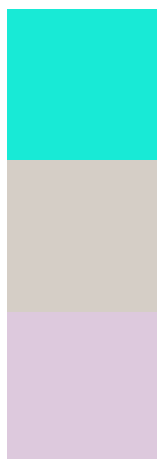


This preview shows how white text looks on a background with the Yxy color 63.8828, 0.2335, 0.3558.

# 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

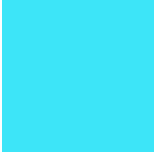
63.8949, 0.2335, 0.3558

### Protanopia

62.3660, 0.3238, 0.3382

### Deuteranopia

62.3659, 0.3138, 0.3069



## Tritanopia

63.8080, 0.2240, 0.3048

# Trichromacy



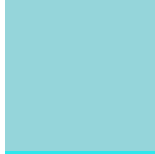
## Original Color

63.8949, 0.2335, 0.3558



## Protanomaly

59.4007, 0.2723, 0.3444



## Deuteranomaly

59.0400, 0.2669, 0.3226



## Tritanomaly

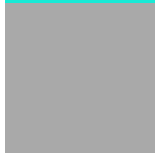
63.8123, 0.2267, 0.3223

# Monochromacy



## Original Color

63.8949, 0.2335, 0.3558



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

45.3557, 0.2630, 0.3405

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8828, 0.2335, 0.3558 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(24, 234, 214)` looks like.

```
.text, #text, p{  
    color:rgb(24, 234, 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(24, 234, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 234, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8828, 0.2335, 0.3558 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(24, 234, 214) }
```

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

```
.border{ border-color:rgb(24, 234, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 234, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 234, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 234, 214);  
box-shadow:4px 4px 4px 4px rgb(24, 234,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8828, 0.2335, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 234, 214) }
```

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

```
.background{ background-color: rgb(24, 234,  
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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