

# Converting Colors

$Yxy(64.8876, 0.2417, 0.3832)$

Have a look what the booklet for  
Yxy(64.8876, 0.2417, 0.3832)  
contains.

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# Color

**Yxy(64.9068, 0.2415, 0.3825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1DEDC6
RGB	29, 237, 198
RGB Percent	11%, 93%, 78%
CMY	0.8871, 0.0706, 0.2235
CMYK	0.88, 0.00, 0.16, 0.07
HSL	169°, 85%, 52%
HSV	169°, 88%, 93%
XYZ	40.9804, 64.9068, 63.8038
YIQ	170.3620, -111.4490, -56.2250

# Conversions

## Conversions Part 2

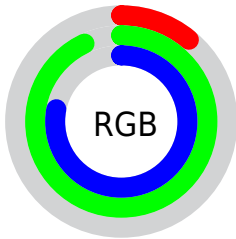
Format	Color
<b>RYB</b>	29, 144, 237
Decimal	1961414
CIELab	84.44, -55.18, 5.80
CIELCh	84, 55.486, 173.998
Yxy	64.9068, 0.2415, 0.3825
Android (android.graphics.Color)	4280151494 (0xFF1DEDC6)
YUV	170.3620, 13.6255, -123.9745
Hunter-Lab	80.5648, -50.1918, 9.4402

# Details

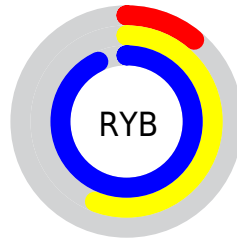
The Yxy color **64.9068, 0.2415, 0.3825** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **19.2886, 0.5784, 0.3065**, and the grayscale version is **40.3296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **34.6561, 0.2428, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **64.4822, 0.2417, 0.3893**, and if you desaturate by 10%, it is **65.6020, 0.2430, 0.3757**.

# Distribution



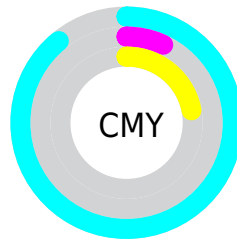
- Red (11%)
- Green (93%)
- Blue (78%)



- Red (11%)
- Yellow (56%)
- Blue (93%)



- Cyan (88%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)




- Cyan (89%)
- Magenta (7%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9068, 0.2415, 0.3825 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 64.9068, 0.2415, 0.3825 by changing the saturation by 10% instead.





 64.9068, 0.2415,  
0.3825

 64.9068, 0.2415,  
0.3825

442.4570, 0.2751,  
0.3567


 47.3855, 0.2337,  
0.3886


 111.9159, 0.2533,  
0.3733


 33.3405, 0.2240,  
0.3964


 142.1724, 0.2578,  
0.3698


 22.3874, 0.2116,  
0.4064


 177.4428, 0.2617,  
0.3668

 14.1419, 0.1953,  
0.4198

 218.1115, 0.2651,  
0.3643

 8.2194, 0.1732,  
0.4386

 264.5629, 0.2681,  
0.3620

 4.2357, 0.1416,  
0.4668

317.1813, 0.2707,

 1.8062, 0.0511,

0.3600

376.3512, 0.2731,  
0.3583

0.5373

0.4911, 0.0000,  
0.7919

0.0000, 0.0000,  
0.0000

64.9068, 0.2415,  
0.3825

64.9068, 0.2415,  
0.3825

64.4822, 0.2417,  
0.3893


65.6020, 0.2430,  
0.3757


64.4069, 0.2419,  
0.3907


66.6170, 0.2465,  
0.3688


67.9957, 0.2520,  
0.3621


69.7734, 0.2594,  
0.3555

 71.9810, 0.2684,  
0.3492

 74.6465, 0.2788,  
0.3433

 77.7955, 0.2903,  
0.3377

 81.4516, 0.3026,  
0.3327

 85.6368, 0.3155,  
0.3281

# Harmonies

## Analogous

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



64.9068, 0.3020, 0.4412



64.9068, 0.2415, 0.3825



64.9068, 0.2027, 0.3099

# Triad

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



64.9068, 0.2415, 0.3825



64.9068, 0.2482, 0.2243



64.9068, 0.4503, 0.3810

# Complementary

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



64.9068, 0.2415, 0.3825



19.2886, 0.5784, 0.3065

# 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.



64.9068, 0.4357, 0.3288



64.9068, 0.2415, 0.3825



64.9068, 0.3113, 0.2436

# Square

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



64.9068, 0.2415, 0.3825



64.9068, 0.2070, 0.2268



64.9068, 0.3822, 0.2806



64.9068, 0.4239, 0.4285



# Rectangle

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



64.9068, 0.2415, 0.3825



64.9068, 0.1921, 0.2702



64.9068, 0.3822, 0.2806



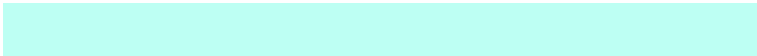
64.9068, 0.4503, 0.3636

# Sweetspot

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



64.9093, 0.2415, 0.3825



88.7465, 0.2807, 0.3423



61.9789, 0.3107, 0.5825



18.7402, 0.2769, 0.3443



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.



64.9093, 0.2415, 0.3825



76.0373, 0.2419, 0.3910



36.8542, 0.2022, 0.2401



17.0707, 0.3006, 0.3334



35.1793, 0.2416, 0.3896



2.7749, 0.2389, 0.3802



# Inverse Universe

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



19.2886, 0.5784, 0.3065



21.4713, 0.6147, 0.3160



25.6184, 0.5674, 0.3736



15.1001, 0.3263, 0.3246



9.9447, 0.6105, 0.3137

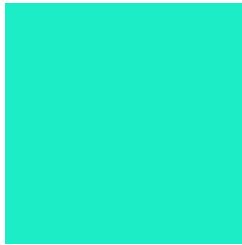


0.7939, 0.5737, 0.2934



# Previews

## White Background



This preview shows how the Yxy color 64.9068, 0.2415, 0.3825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

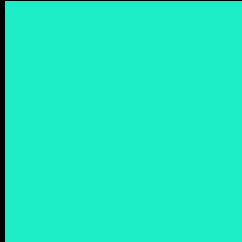
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9068, 0.2415, 0.3825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

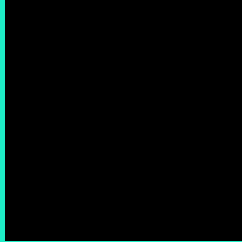
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

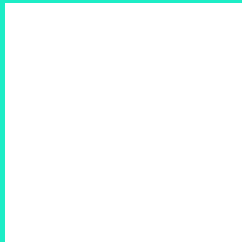
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.9068, 0.2415, 0.3825**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9068, 0.2415, 0.3825.

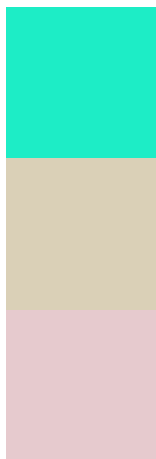


This preview shows how white text looks on a background with the Yxy color 64.9068, 0.2415, 0.3825.

# 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

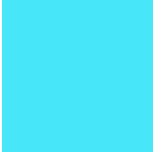
64.9068, 0.2415, 0.3825

### Protanopia

63.4361, 0.3384, 0.3577

### Deuteranopia

63.5203, 0.3317, 0.3247



## Tritanopia

64.8109, 0.2262, 0.3050

# Trichromacy



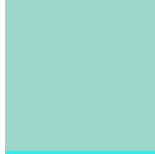
## Original Color

64.9068, 0.2415, 0.3825



## Protanomaly

60.6834, 0.2848, 0.3693



## Deuteranomaly

60.0808, 0.2806, 0.3441



## Tritanomaly

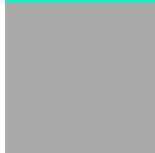
64.8318, 0.2312, 0.3327

# Monochromacy



## Original Color

64.9068, 0.2415, 0.3825



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

45.8008, 0.2680, 0.3493

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9068, 0.2415, 0.3825 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(29, 237, 198)` looks like.

```
.text, #text, p{  
    color:rgb(29, 237, 198)  
}
```

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(29, 237, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 237, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9068, 0.2415, 0.3825 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(29, 237, 198) }
```

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

```
.border{ border-color:rgb(29, 237, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 237, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 237, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 237, 198);  
box-shadow:4px 4px 4px 4px rgb(29, 237,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9068, 0.2415, 0.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 237, 198) }
```

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

```
.background{ background-color: rgb(29, 237,  
198) }
```

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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