

# Converting Colors

$Yxy(60.6704, 0.2817, 0.3440)$

Have a look what the booklet for  
Yxy(60.6704, 0.2817, 0.3440)  
contains.

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# Color

**Yxy(60.8423, 0.2813, 0.3440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FD8CC
RGB	159, 216, 204
RGB Percent	62%, 85%, 80%
CMY	0.3766, 0.1529, 0.1998
CMYK	0.26, 0.00, 0.06, 0.15
HSL	167°, 42%, 74%
HSV	167°, 26%, 85%
XYZ	49.7527, 60.8423, 66.2721
YIQ	197.5890, -30.1200, -15.8160

# Conversions

## Conversions Part 2

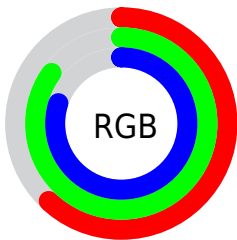
Format	Color
<b>RYB</b>	159, 191, 216
Decimal	10475724
CIELab	82.29, -20.72, -0.02
CIELCh	82, 20.720, 180.059
Yxy	60.8423, 0.2813, 0.3440
Android (android.graphics.Color)	4288665804 (0xFF9FD8CC)
YUV	197.5890, 3.1606, -33.8426
Hunter-Lab	78.0015, -22.6475, 4.2267

# Details

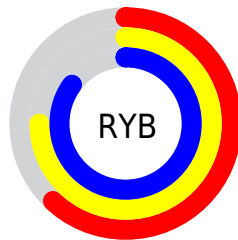
The Yxy color **60.8423, 0.2813, 0.3440** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.3258, 0.3573, 0.3146**, and the grayscale version is **56.2034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **30.7559, 0.2735, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **58.6121, 0.2710, 0.3506**, and if you desaturate by 10%, it is **63.4697, 0.2926, 0.3379**.

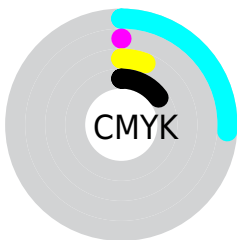
# Distribution



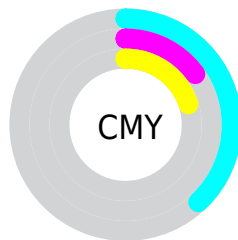
- Red (62%)
- Green (85%)
- Blue (80%)



- Red (62%)
- Yellow (75%)
- Blue (85%)



- Cyan (26%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)




- Cyan (38%)
- Magenta (15%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8423, 0.2813, 0.3440 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 60.8423, 0.2813, 0.3440 by changing the saturation by 10% instead.



 60.8423, 0.2813,  
0.3440

 60.8423, 0.2813,  
0.3440

427.6955, 0.2963,  
0.3369

 44.0979, 0.2778,  
0.3457


 106.0506, 0.2866,  
0.3415

 30.7475, 0.2733,  
0.3478


 135.2832, 0.2886,  
0.3405

 20.4066, 0.2676,  
0.3505


169.4474, 0.2904,  
0.3397

 12.6910, 0.2600,  
0.3541


208.9276, 0.2919,  
0.3390

 7.2161, 0.2493,  
0.3592

254.1081, 0.2932,  
0.3383

 3.5976, 0.2332,  
0.3669

305.3733, 0.2943,

 1.4511, 0.2062,

0.3378

0.3798

363.1077, 0.2954,  
0.3373

0.2539, 0.0000,  
0.4774

0.0000, 0.0000,  
0.0000

60.8423, 0.2813,  
0.3440

60.8423, 0.2813,  
0.3440

58.6121, 0.2710,  
0.3506

63.4697, 0.2926,  
0.3379

56.7514, 0.2620,  
0.3576


66.5054, 0.3047,  
0.3323

55.2408, 0.2546,  
0.3649

69.9695, 0.3173,  
0.3272


54.0560, 0.2489,  
0.3725


73.8783, 0.3300,  
0.3227

 53.1696, 0.2453,  
0.3802

 75.9044, 0.3339,  
0.3183


 52.5497, 0.2436,  
0.3879


 76.1576, 0.3307,  
0.3138

 52.1556, 0.2437,  
0.3956

 76.4174, 0.3276,  
0.3094

 52.0430, 0.2440,  
0.3983

 76.6839, 0.3244,  
0.3050

 76.9571, 0.3213,  
0.3006

# Harmonies

## Analogous

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



60.8423, 0.3051, 0.3655



60.8423, 0.2813, 0.3440



60.8423, 0.2662, 0.3189

# Triad

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



60.8423, 0.2813, 0.3440



60.8423, 0.2925, 0.2862



60.8423, 0.3649, 0.3572

# Complementary

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



60.8423, 0.2813, 0.3440



42.3258, 0.3573, 0.3146

# 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.



60.8423, 0.3615, 0.3359



60.8423, 0.2813, 0.3440



60.8423, 0.3188, 0.2961

# Square

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



60.8423, 0.2813, 0.3440



60.8423, 0.2724, 0.2866



60.8423, 0.3444, 0.3139



60.8423, 0.3537, 0.3722



# Rectangle

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



60.8423, 0.2813, 0.3440



60.8423, 0.2627, 0.3041



60.8423, 0.3444, 0.3139



60.8423, 0.3655, 0.3505

# Sweetspot

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



60.8448, 0.2813, 0.3440



96.0615, 0.3027, 0.3332



60.3125, 0.3181, 0.4023



20.4123, 0.3008, 0.3340



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

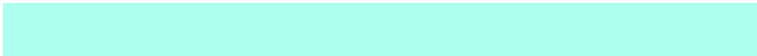


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.8448, 0.2813, 0.3440



86.6158, 0.2751, 0.3478



53.5645, 0.2724, 0.3084



14.0612, 0.3010, 0.3339



30.8185, 0.2437, 0.3971



1.8703, 0.2400, 0.3839



# Inverse Universe

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



42.3258, 0.3573, 0.3146



55.0413, 0.3710, 0.3113



47.8144, 0.3641, 0.3487



12.4630, 0.3258, 0.3241



8.7675, 0.6036, 0.3099

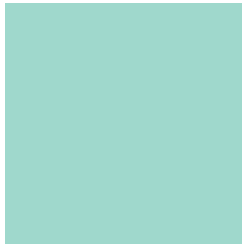


0.5411, 0.5549, 0.2831



# Previews

## White Background



This preview shows how the Yxy color 60.8423, 0.2813, 0.3440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

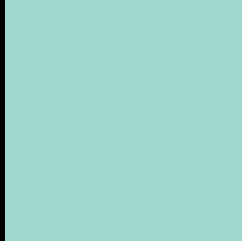
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.8423, 0.2813, 0.3440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

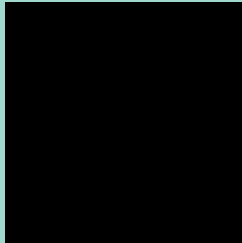
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

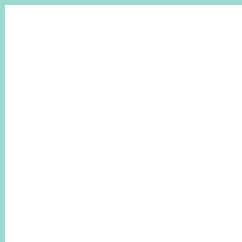
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.8423, 0.2813, 0.3440**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.8423, 0.2813, 0.3440.

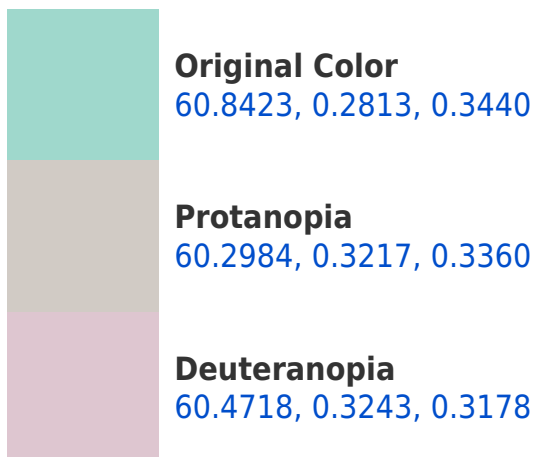


This preview shows how white text looks on a background with the Yxy color 60.8423, 0.2813, 0.3440.

# 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





## Tritanopia

60.6366, 0.2695, 0.3083

# Trichromacy



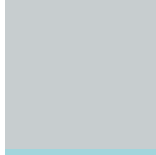
## Original Color

60.8423, 0.2813, 0.3440



## Protanomaly

60.3582, 0.3056, 0.3386



## Deuteranomaly

60.3098, 0.3068, 0.3266



## Tritanomaly

60.4372, 0.2735, 0.3203

# Monochromacy



## Original Color

60.8423, 0.2813, 0.3440



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

58.0231, 0.3005, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.8423, 0.2813, 0.3440 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(159, 216, 204)` looks like.

```
.text, #text, p{  
    color:rgb(159, 216, 204)  
}
```

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(159, 216, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 216, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 60.8423, 0.2813, 0.3440 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(159, 216, 204) }
```

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

```
.border{ border-color:rgb(159, 216, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 216, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 216, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 216, 204);  
box-shadow:4px 4px 4px 4px rgb(159, 216,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.8423, 0.2813, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 216, 204) }
```

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

```
.background{ background-color: rgb(159,  
216, 204) }
```

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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