

# Converting Colors

$Yxy(60.4389, 0.2771, 0.3252)$

Have a look what the booklet for  
Yxy(60.4389, 0.2771, 0.3252)  
contains.

<b>Yxy(60.4389, 0.2771, 0.3252)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(60.4389, 0.2771, 0.3252)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4D5D8
RGB	164, 213, 216
RGB Percent	64%, 84%, 85%
CMY	0.3568, 0.1647, 0.1530
CMYK	0.24, 0.01, 0.00, 0.15
HSL	183°, 40%, 75%
HSV	183°, 24%, 85%
XYZ	51.4994, 60.4389, 73.9131
YIQ	198.6910, -30.1670, -9.4550

# Conversions

## Conversions Part 2

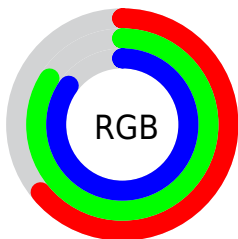
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 189, 216
Decimal	10802648
CIELab	82.08, -15.12, -6.68
CIELCh	82, 16.528, 203.822
Yxy	60.4389, 0.2771, 0.3252
Android (android.graphics.Color)	4288992728 (0xFFA4D5D8)
YUV	198.6910, 8.5333, -30.4240
Hunter-Lab	77.7425, -17.8044, -1.9499

# Details

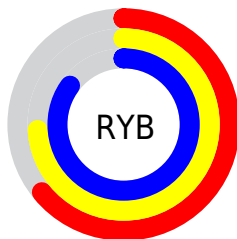
The Yxy color **60.4389, 0.2771, 0.3252** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.9176, 0.3618, 0.3328**, and the grayscale version is **56.8777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **30.4064, 0.2686, 0.3239** is the 20% darker color. If you saturate the color by 10%, you get **57.7118, 0.2640, 0.3234**, and if you desaturate by 10%, it is **63.5659, 0.2913, 0.3269**.

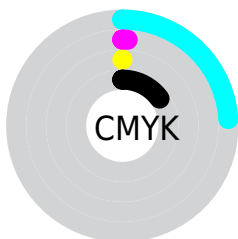
# Distribution



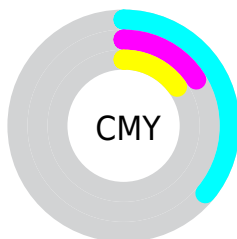
- Red (64%)
- Green (84%)
- Blue (85%)



- Red (64%)
- Yellow (74%)
- Blue (85%)



- Cyan (24%)
- Magenta (1%)
- Yellow (0%)
- Black (15%)




- Cyan (36%)
- Magenta (16%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4389, 0.2771, 0.3252 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 60.4389, 0.2771, 0.3252 by changing the saturation by 10% instead.



 60.4389, 0.2771,  
0.3252


 60.4389, 0.2771,  
0.3252


426.2137, 0.2940,  
0.3273

 43.7725, 0.2732,  
0.3247

 105.4661, 0.2830,  
0.3260

 30.4917, 0.2682,  
0.3239


 134.5957, 0.2853,  
0.3263

 20.2121, 0.2619,  
0.3230


168.6484, 0.2873,  
0.3265

 12.5493, 0.2535,  
0.3216

208.0087, 0.2890,  
0.3267

 7.1189, 0.2419,  
0.3194

253.0610, 0.2904,  
0.3269

 3.5366, 0.2246,  
0.3157

304.1897, 0.2918,

 1.4179, 0.1965,

0.3270

361.7791, 0.2929,  
0.3271

0.3085

0.2298, 0.0000,  
0.2428

0.0000, 0.0000,  
0.0000

60.4389, 0.2771,  
0.3252

60.4389, 0.2771,  
0.3252

57.7118, 0.2640,  
0.3234

63.5659, 0.2913,  
0.3269

55.3576, 0.2523,  
0.3216

67.1039, 0.3064,  
0.3284

53.3574, 0.2422,  
0.3197

71.0725, 0.3220,  
0.3298

51.6874, 0.2340,  
0.3177

75.4878, 0.3379,  
0.3311

■ 50.3211, 0.2277,  
0.3157

■ 76.9953, 0.3411,  
0.3323

■ 49.2278, 0.2233,  
0.3138

■ 77.6473, 0.3409,  
0.3336

■ 48.3703, 0.2207,  
0.3119

■ 78.3042, 0.3407,  
0.3348

■ 47.9356, 0.2197,  
0.3108

■ 78.9659, 0.3405,  
0.3361

■ 79.6325, 0.3403,  
0.3373

# Harmonies

## Analogous

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



60.4389, 0.2911, 0.3450



60.4389, 0.2771, 0.3252



60.4389, 0.2724, 0.3074

# Triad

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



60.4389, 0.2771, 0.3252



60.4389, 0.3132, 0.3001



60.4389, 0.3483, 0.3618

# Complementary

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



60.4389, 0.2771, 0.3252



44.9176, 0.3618, 0.3328

# 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.



60.4389, 0.3548, 0.3486



60.4389, 0.2771, 0.3252



60.4389, 0.3341, 0.3136

# Square

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



60.4389, 0.2771, 0.3252



60.4389, 0.2927, 0.2938



60.4389, 0.3496, 0.3310



60.4389, 0.3321, 0.3665



# Rectangle

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



60.4389, 0.2771, 0.3252



60.4389, 0.2750, 0.2990



60.4389, 0.3496, 0.3310



60.4389, 0.3517, 0.3582

# Sweetspot

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



60.4414, 0.2771, 0.3252



96.1165, 0.3018, 0.3280



59.7787, 0.3079, 0.3932



20.5043, 0.3009, 0.3279



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.



60.4414, 0.2771, 0.3252



85.8839, 0.2701, 0.3243



48.5636, 0.2744, 0.2924



13.9797, 0.2983, 0.3276



28.4298, 0.2197, 0.3111



1.7528, 0.2207, 0.3144



# Inverse Universe

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



45.9574, 0.3180, 0.2726



61.2769, 0.3193, 0.2604



55.2433, 0.3548, 0.3630



12.6198, 0.3147, 0.3073



11.2149, 0.3358, 0.1623

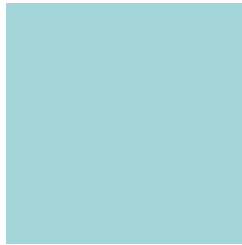


0.6803, 0.3330, 0.1608



# Previews

## White Background



This preview shows how the Yxy color 60.4389, 0.2771, 0.3252 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

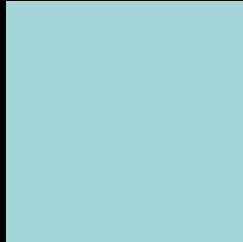
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.4389, 0.2771, 0.3252 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

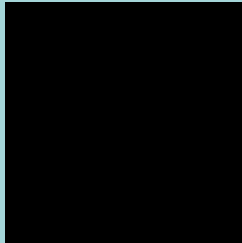
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

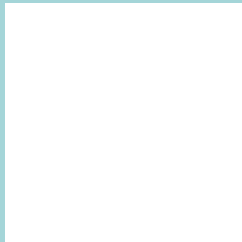
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.4389, 0.2771, 0.3252**

## Background



This preview shows how black text looks on a background with the Yxy color 60.4389, 0.2771, 0.3252.



This preview shows how white text looks on a background with the Yxy color 60.4389, 0.2771, 0.3252.

# 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

60.4389, 0.2771, 0.3252

### Protanopia

59.8733, 0.3093, 0.3197

### Deuteranopia

60.1016, 0.3115, 0.3054



## Tritanopia

60.4055, 0.2718, 0.3084

# Trichromacy



**Original Color**

60.4389, 0.2771, 0.3252

**Protanomaly**

59.8432, 0.2968, 0.3218

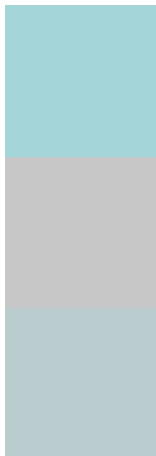
**Deuteranomaly**

59.6441, 0.2978, 0.3114

**Tritanomaly**

60.5758, 0.2736, 0.3143

# Monochromacy



**Original Color**

60.4389, 0.2771, 0.3252

**Achromatopsia**

57.1125, 0.3127, 0.3290

**Achromatomaly**

58.0326, 0.2985, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4389, 0.2771, 0.3252 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(164, 213, 216)` looks like.

```
.text, #text, p{  
    color:rgb(164, 213, 216)  
}
```

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(164, 213, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 213, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4389, 0.2771, 0.3252 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(164, 213, 216) }
```

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

```
.border{ border-color:rgb(164, 213, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 213, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 213, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 213, 216);  
box-shadow:4px 4px 4px 4px rgb(164, 213,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4389, 0.2771, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 213, 216) }
```

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

```
.background{ background-color: rgb(164,  
213, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor