

# Converting Colors

$Yxy(62.5163, 0.2796, 0.3398)$

Have a look what the booklet for  
Yxy(62.5163, 0.2796, 0.3398)  
contains.

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# Color

**Yxy(62.3730, 0.2792, 0.3388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1DAD2
RGB	161, 218, 210
RGB Percent	63%, 85%, 82%
CMY	0.3688, 0.1451, 0.1763
CMYK	0.26, 0.00, 0.04, 0.15
HSL	172°, 44%, 74%
HSV	172°, 26%, 85%
XYZ	51.4007, 62.3730, 70.3261
YIQ	200.0450, -31.4040, -14.5720

# Conversions

## Conversions Part 2

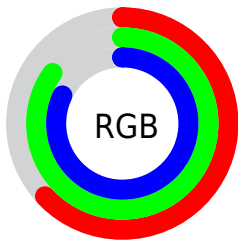
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 192, 218
Decimal	10607314
CIELab	83.11, -19.84, -2.00
CIELCh	83, 19.943, 185.755
Yxy	62.3730, 0.2792, 0.3388
Android (android.graphics.Color)	4288797394 (0xFFA1DAD2)
YUV	200.0450, 4.9078, -34.2425
Hunter-Lab	78.9766, -22.0351, 2.4878

# Details

The Yxy color **62.3730, 0.2792, 0.3388** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.2476, 0.3607, 0.3195**, and the grayscale version is **57.7704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **31.7828, 0.2709, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **60.1547, 0.2681, 0.3431**, and if you desaturate by 10%, it is **64.9941, 0.2914, 0.3348**.

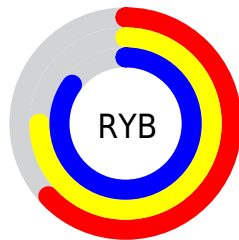
# Distribution



Red (63%)

Green (85%)

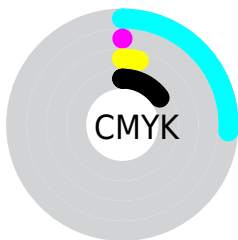
Blue (82%)



Red (63%)

Yellow (75%)

Blue (85%)

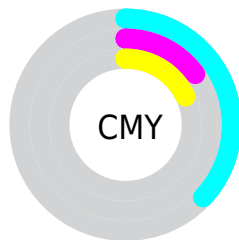


Cyan (26%)

Magenta (0%)

Yellow (4%)

Black (15%)



Cyan (37%)

Magenta (15%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3730, 0.2792, 0.3388 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 62.3730, 0.2792, 0.3388 by changing the saturation by 10% instead.




 62.3730, 0.2792,  
0.3388

 62.3730, 0.2792,  
0.3388


433.2904, 0.2951,  
0.3343

 45.3342, 0.2755,  
0.3398


 108.2644, 0.2848,  
0.3372

 31.7207, 0.2709,  
0.3411


 137.8858, 0.2869,  
0.3366

 21.1483, 0.2649,  
0.3428


172.4702, 0.2888,  
0.3361

 13.2324, 0.2570,  
0.3449

212.4019, 0.2904,  
0.3356

 7.5888, 0.2460,  
0.3478

258.0654, 0.2918,  
0.3352

 3.8330, 0.2297,  
0.3519

309.8450, 0.2930,

 1.5806, 0.2032,

0.3349

0.3582

368.1252, 0.2941,  
0.3345

0.3444, 0.0000,  
0.4008

0.0000, 0.0000,  
0.0000

62.3730, 0.2792,  
0.3388

62.3730, 0.2792,  
0.3388

60.1547, 0.2681,  
0.3431

64.9941, 0.2914,  
0.3348

58.3111, 0.2585,  
0.3477

68.0294, 0.3044,  
0.3311

56.8223, 0.2504,  
0.3524


71.4993, 0.3180,  
0.3278

55.6637, 0.2443,  
0.3573


75.4204, 0.3318,  
0.3248

 54.8072, 0.2400,  
0.3622


 76.8577, 0.3347,  
0.3218

 54.2203, 0.2377,  
0.3672

 77.0257, 0.3326,  
0.3188

 53.8624, 0.2372,  
0.3721

 77.1967, 0.3304,  
0.3157

 53.7580, 0.2372,  
0.3739

 77.3708, 0.3283,  
0.3127

 77.5478, 0.3262,  
0.3098

# Harmonies

## Analogous

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



62.3730, 0.3007, 0.3605



62.3730, 0.2792, 0.3388



62.3730, 0.2667, 0.3151

# Triad

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



62.3730, 0.2792, 0.3388



62.3730, 0.2979, 0.2891



62.3730, 0.3615, 0.3593

# Complementary

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



62.3730, 0.2792, 0.3388



43.2476, 0.3607, 0.3195

# 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.



62.3730, 0.3610, 0.3397



62.3730, 0.2792, 0.3388



62.3730, 0.3234, 0.3003

# Square

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



62.3730, 0.2792, 0.3388



62.3730, 0.2772, 0.2875



62.3730, 0.3468, 0.3185



62.3730, 0.3485, 0.3719



# Rectangle

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



62.3730, 0.2792, 0.3388



62.3730, 0.2649, 0.3019



62.3730, 0.3468, 0.3185



62.3730, 0.3630, 0.3533

# Sweetspot

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



62.3755, 0.2792, 0.3388



96.1519, 0.3019, 0.3318



61.2120, 0.3153, 0.4022



20.4352, 0.2999, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

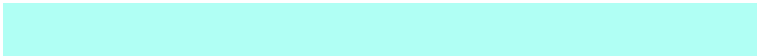


# Same Dimension

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



62.3755, 0.2792, 0.3388



87.2731, 0.2734, 0.3410



53.0444, 0.2722, 0.3037



14.7966, 0.3001, 0.3323



32.2161, 0.2370, 0.3732



2.0959, 0.2348, 0.3652



# Inverse Universe

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



43.2476, 0.3607, 0.3195



55.8788, 0.3736, 0.3176



50.4989, 0.3624, 0.3530



13.0810, 0.3270, 0.3258



8.9968, 0.6207, 0.3193



0.5926, 0.5823, 0.2982



# Previews

## White Background



This preview shows how the Yxy color 62.3730, 0.2792, 0.3388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

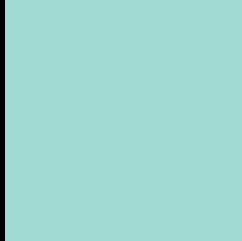
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3730, 0.2792, 0.3388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

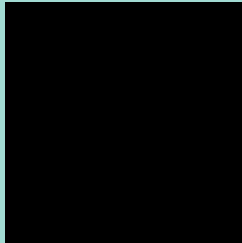
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

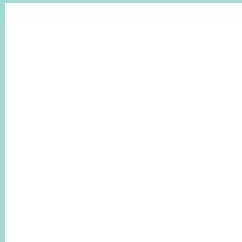
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.3730, 0.2792, 0.3388**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3730, 0.2792, 0.3388.

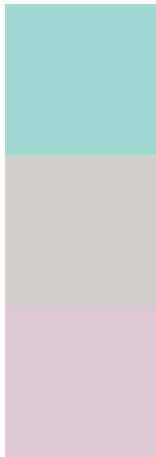


This preview shows how white text looks on a background with the Yxy color 62.3730, 0.2792, 0.3388.

# 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

62.3730, 0.2792, 0.3388

### Protanopia

61.8233, 0.3187, 0.3313

### Deuteranopia

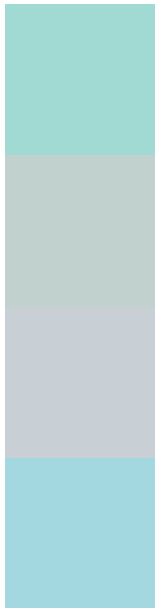
61.8516, 0.3204, 0.3135



## Tritanopia

62.5341, 0.2694, 0.3086

# Trichromacy



## Original Color

62.3730, 0.2792, 0.3388

## Protanomaly

61.8869, 0.3029, 0.3337

## Deuteranomaly

61.7091, 0.3034, 0.3220

## Tritanomaly

62.3861, 0.2728, 0.3192

# Monochromacy



## Original Color

62.3730, 0.2792, 0.3388

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

59.4244, 0.2992, 0.3326

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3730, 0.2792, 0.3388 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(161, 218, 210)` looks like.

```
.text, #text, p{  
    color:rgb(161, 218, 210)  
}
```

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(161, 218, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 218, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3730, 0.2792, 0.3388 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(161, 218, 210) }
```

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

```
.border{ border-color:rgb(161, 218, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 218, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 218, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 218, 210);  
box-shadow:4px 4px 4px 4px rgb(161, 218,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3730, 0.2792, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 218, 210) }
```

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

```
.background{ background-color: rgb(161,  
218, 210) }
```

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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