

# Converting Colors

$Yxy(67.1835, 0.2789, 0.3316)$

Have a look what the booklet for  
Yxy(67.1835, 0.2789, 0.3316)  
contains.

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# Color

**Yxy(67.2432, 0.2790, 0.3313)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ABE0DE
RGB	171, 224, 222
RGB Percent	67%, 88%, 87%
CMY	0.3296, 0.1215, 0.1294
CMYK	0.24, 0.00, 0.01, 0.12
HSL	178°, 46%, 77%
HSV	178°, 24%, 88%
XYZ	56.6280, 67.2432, 79.0965
YIQ	207.9250, -30.9460, -11.8580

# Conversions

## Conversions Part 2

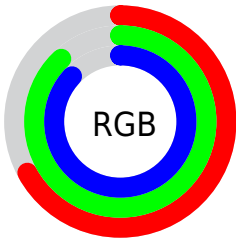
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 198, 224
Decimal	11264222
CIE <sub>Lab</sub>	85.63, -17.32, -4.57
CIE <sub>LCh</sub>	86, 17.911, 194.784
Yxy	67.2432, 0.2790, 0.3313
Android (android.graphics.Color)	4289454302 (0xFFABE0DE)
YUV	207.9250, 6.9390, -32.3832
Hunter-Lab	82.0020, -20.2369, 0.2121

# Details

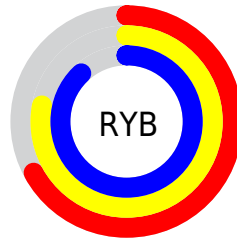
The Yxy color **67.2432, 0.2790, 0.3313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.9780, 0.3599, 0.3268**, and the grayscale version is **62.9914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **34.9479, 0.2708, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **64.8949, 0.2666, 0.3324**, and if you desaturate by 10%, it is **70.0234, 0.2926, 0.3303**.

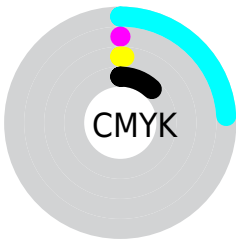
# Distribution



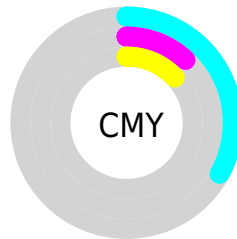
- Red (67%)
- Green (88%)
- Blue (87%)



- Red (67%)
- Yellow (78%)
- Blue (88%)



- Cyan (24%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)




- Cyan (33%)
- Magenta (12%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2432, 0.2790, 0.3313 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 67.2432, 0.2790, 0.3313 by changing the saturation by 10% instead.




 67.2432, 0.2790,  
0.3313

 67.2432, 0.2790,  
0.3313

450.8100, 0.2947,  
0.3304

 49.2823, 0.2754,  
0.3315


 115.2688, 0.2845,  
0.3310

 34.8435, 0.2709,  
0.3316


146.1023, 0.2866,  
0.3309

 23.5423, 0.2652,  
0.3318


181.9955, 0.2884,  
0.3308

 14.9945, 0.2578,  
0.3320

223.3327, 0.2900,  
0.3307

 8.8155, 0.2476,  
0.3321

270.4984, 0.2914,  
0.3306

 4.6210, 0.2328,  
0.3321

323.8769, 0.2926,

 2.0267, 0.2095,

0.3305

383.8526, 0.2937,  
0.3305

0.3313

0.6229, 0.0946,  
0.3479

0.0000, 0.0000,  
0.0000

67.2432, 0.2790,  
0.3313

67.2432, 0.2790,  
0.3313

64.8949, 0.2666,  
0.3324

70.0234, 0.2926,  
0.3303

62.9490, 0.2556,  
0.3336

73.2474, 0.3072,  
0.3293

61.3846, 0.2464,  
0.3348

76.9365, 0.3224,  
0.3285

60.1762, 0.2391,  
0.3360

80.0368, 0.3339,  
0.3277

■ 59.2948, 0.2337,  
0.3373

■ 80.0836, 0.3333,  
0.3268

■ 58.7070, 0.2302,  
0.3385

■ 80.1306, 0.3327,  
0.3260

■ 58.3722, 0.2284,  
0.3398

■ 80.1779, 0.3321,  
0.3251

■ 58.2498, 0.2279,  
0.3406

■ 80.2253, 0.3315,  
0.3243

■ 80.2730, 0.3309,  
0.3234

# Harmonies

## Analogous

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



67.2432, 0.2960, 0.3514



67.2432, 0.2790, 0.3313



67.2432, 0.2709, 0.3114

# Triad

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



67.2432, 0.2790, 0.3313



67.2432, 0.3064, 0.2960



67.2432, 0.3532, 0.3599

# Complementary

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



67.2432, 0.2790, 0.3313



47.9780, 0.3599, 0.3268

# 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.



67.2432, 0.3564, 0.3441



67.2432, 0.2790, 0.3313



67.2432, 0.3288, 0.3080

# Square

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



67.2432, 0.2790, 0.3313



67.2432, 0.2863, 0.2920



67.2432, 0.3474, 0.3254



67.2432, 0.3389, 0.3679



# Rectangle

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



67.2432, 0.2790, 0.3313



67.2432, 0.2715, 0.3011



67.2432, 0.3474, 0.3254



67.2432, 0.3556, 0.3553

# Sweetspot

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



67.2459, 0.2790, 0.3313



96.7267, 0.3022, 0.3296



65.2120, 0.3114, 0.3953



20.6462, 0.3013, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

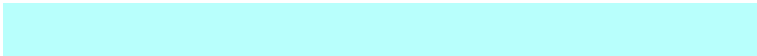


# Same Dimension

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



67.2459, 0.2790, 0.3313



88.7072, 0.2732, 0.3318



55.4103, 0.2755, 0.2997



15.5629, 0.2987, 0.3299



33.9051, 0.2279, 0.3404



2.3530, 0.2274, 0.3384



# Inverse Universe

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



47.9780, 0.3599, 0.3268



58.9337, 0.3721, 0.3263



57.7451, 0.3555, 0.3566



13.7089, 0.3286, 0.3281



9.2390, 0.6358, 0.3276

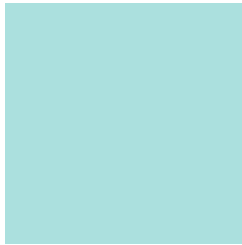


0.6434, 0.6236, 0.3209



# Previews

## White Background



This preview shows how the Yxy color 67.2432, 0.2790, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

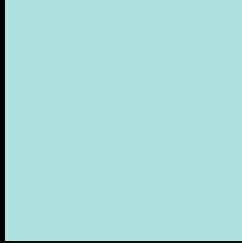
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.2432, 0.2790, 0.3313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

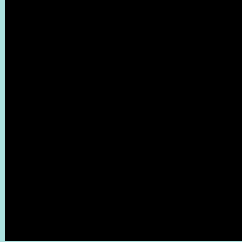
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

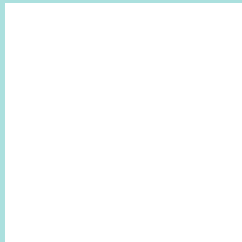
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.2432, 0.2790, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2432, 0.2790, 0.3313.

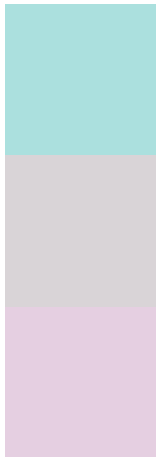


This preview shows how white text looks on a background with the Yxy color 67.2432, 0.2790, 0.3313.

# 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

67.2432, 0.2790, 0.3313

### Protanopia

66.7450, 0.3143, 0.3257

### Deuteranopia

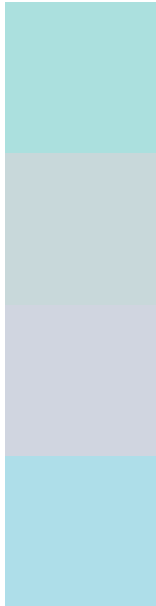
66.7199, 0.3166, 0.3097



## Tritanopia

67.0589, 0.2716, 0.3081

# Trichromacy



**Original Color**

67.2432, 0.2790, 0.3313

**Protanomaly**

66.4530, 0.3000, 0.3267

**Deuteranomaly**

66.3802, 0.3018, 0.3166

**Tritanomaly**

67.1244, 0.2744, 0.3161

# Monochromacy



**Original Color**

67.2432, 0.2790, 0.3313

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

64.4993, 0.2997, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  67.2432, 0.2790, 0.3313 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(171, 224, 222)` looks like.

```
.text, #text, p{  
    color:rgb(171, 224, 222)  
}
```

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(171, 224, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 224, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2432, 0.2790, 0.3313 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(171, 224, 222) }
```

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

```
.border{ border-color:rgb(171, 224, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 224, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 224, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 224, 222);  
box-shadow:4px 4px 4px 4px rgb(171, 224,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2432, 0.2790, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 224, 222) }
```

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

```
.background{ background-color: rgb(171,  
224, 222) }
```

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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