

# Converting Colors

Yxy(66.9918, 0.2744, 0.3184)

Have a look what the booklet for  
Yxy(66.9918, 0.2744, 0.3184)  
contains.

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# Color

**Yxy(66.7827, 0.2743, 0.3183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACDEE7
RGB	172, 222, 231
RGB Percent	67%, 87%, 91%
CMY	0.3257, 0.1294, 0.0940
CMYK	0.26, 0.04, 0.00, 0.09
HSL	189°, 55%, 79%
HSV	189°, 26%, 91%
XYZ	57.5510, 66.7827, 85.4768
YIQ	208.0760, -32.6890, -7.8010

# Conversions

## Conversions Part 2

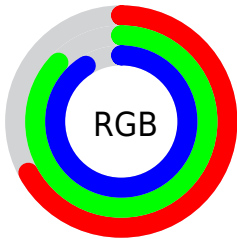
Format	Color
<b>RYB</b>	172, 199, 231
Decimal	11329255
CIELab	85.39, -14.04, -9.68
CIELCh	85, 17.056, 214.583
Yxy	66.7827, 0.2743, 0.3183
Android (android.graphics.Color)	4289519335 (0xFFACDEE7)
YUV	208.0760, 11.3015, -31.6387
Hunter-Lab	81.7207, -17.3042, -4.8107

# Details

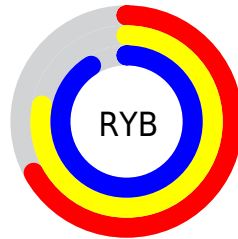
The Yxy color **66.7827, 0.2743, 0.3183** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.9980, 0.3645, 0.3394**, and the grayscale version is **63.0647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **34.5841, 0.2655, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **62.5433, 0.2606, 0.3135**, and if you desaturate by 10%, it is **71.5209, 0.2889, 0.3228**.

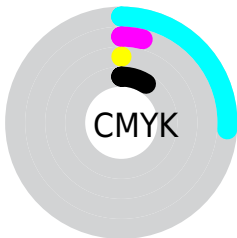
# Distribution



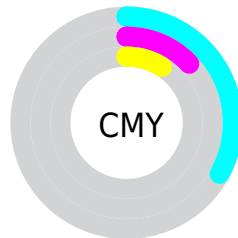
- Red (67%)
- Green (87%)
- Blue (91%)



- Red (67%)
- Yellow (78%)
- Blue (91%)



- Cyan (26%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (33%)
- Magenta (13%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7827, 0.2743, 0.3183 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 66.7827, 0.2743, 0.3183 by changing the saturation by 10% instead.





 66.7827, 0.2743,  
0.3183

 66.7827, 0.2743,  
0.3183


449.1709, 0.2921,  
0.3236

 48.9081, 0.2702,  
0.3170


 114.6090, 0.2805,  
0.3202

 34.5465, 0.2652,  
0.3154


145.3294, 0.2829,  
0.3209

 23.3138, 0.2588,  
0.3132


181.1006, 0.2850,  
0.3215

 14.8254, 0.2504,  
0.3103

222.3068, 0.2868,  
0.3221

 8.6969, 0.2390,  
0.3061

269.3326, 0.2884,  
0.3225

 4.5440, 0.2227,  
0.2996

322.5623, 0.2898,

 1.9823, 0.1973,

0.3229

0.2884

382.3802, 0.2910,  
0.3233

0.5972, 0.1023,  
0.2719

0.0000, 0.0000,  
0.0000

66.7827, 0.2743,  
0.3183

66.7827, 0.2743,  
0.3183

62.5433, 0.2606,  
0.3135

71.5209, 0.2889,  
0.3228

58.7710, 0.2482,  
0.3085


76.7719, 0.3041,  
0.3269


55.4425, 0.2372,  
0.3032


82.5590, 0.3196,  
0.3306

52.5292, 0.2281,  
0.2978

87.0847, 0.3287,  
0.3341

 49.9989, 0.2208,  
0.2923


 89.1351, 0.3283,  
0.3375

 47.8141, 0.2155,  
0.2868

 91.2257, 0.3280,  
0.3409

 45.9286, 0.2120,  
0.2814

 93.3568, 0.3276,  
0.3443

 45.1566, 0.2109,  
0.2791

 95.5286, 0.3272,  
0.3477

 97.7413, 0.3269,  
0.3510

# Harmonies

## Analogous

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



66.7827, 0.2852, 0.3380



66.7827, 0.2743, 0.3183



66.7827, 0.2733, 0.3025

# Triad

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



66.7827, 0.2743, 0.3183



66.7827, 0.3209, 0.3043



66.7827, 0.3433, 0.3646

# Complementary

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



66.7827, 0.2743, 0.3183



52.9980, 0.3645, 0.3394

# 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.



66.7827, 0.3537, 0.3540



66.7827, 0.2743, 0.3183



66.7827, 0.3406, 0.3196

# Square

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



66.7827, 0.2743, 0.3183



66.7827, 0.2996, 0.2952



66.7827, 0.3527, 0.3375



66.7827, 0.3249, 0.3655



# Rectangle

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



66.7827, 0.2743, 0.3183



66.7827, 0.2783, 0.2960



66.7827, 0.3527, 0.3375



66.7827, 0.3479, 0.3620

# Sweetspot

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



66.7854, 0.2743, 0.3183



94.3650, 0.3003, 0.3259



69.2587, 0.3040, 0.3906



19.9815, 0.2980, 0.3253



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.



66.7854, 0.2743, 0.3183



80.5117, 0.2665, 0.3157



52.5074, 0.2710, 0.2823



15.9421, 0.2981, 0.3253



25.4565, 0.2111, 0.2799



1.9829, 0.2133, 0.2878



# Inverse Universe

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



51.7506, 0.3230, 0.2745



58.7587, 0.3257, 0.2624



66.2340, 0.3565, 0.3717



14.5755, 0.3161, 0.3093



11.7676, 0.3635, 0.1776

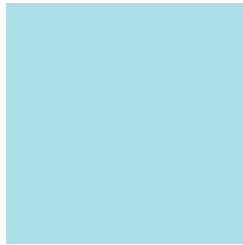


0.8799, 0.3563, 0.1737



# Previews

## White Background



This preview shows how the Yxy color 66.7827, 0.2743, 0.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

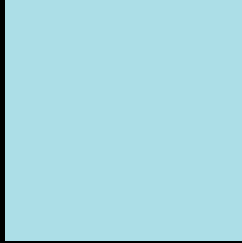
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7827, 0.2743, 0.3183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

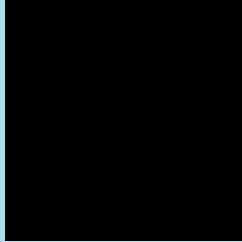
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.7827, 0.2743, 0.3183**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7827, 0.2743, 0.3183.

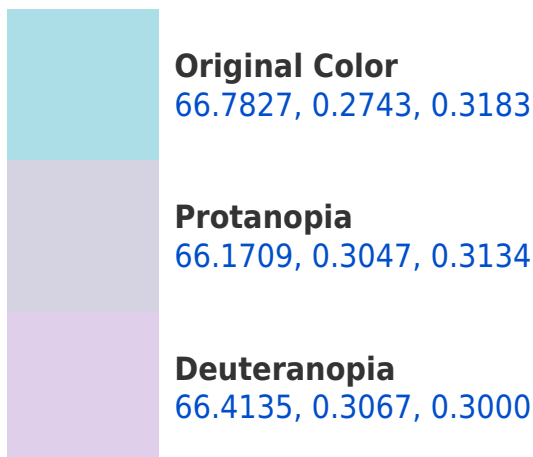


This preview shows how white text looks on a background with the Yxy color 66.7827, 0.2743, 0.3183.

# 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

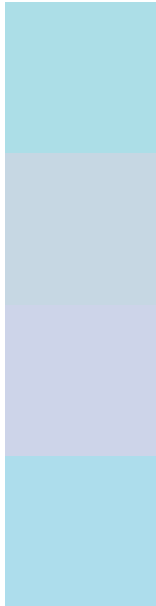




## Tritanopia

66.9436, 0.2710, 0.3080

# Trichromacy



**Original Color**

66.7827, 0.2743, 0.3183

**Protanomaly**

66.1527, 0.2929, 0.3153

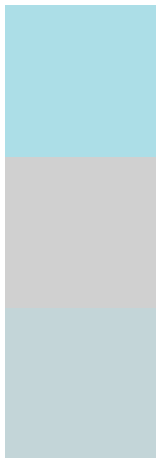
**Deuteranomaly**

65.9493, 0.2938, 0.3055

**Tritanomaly**

66.6533, 0.2721, 0.3114

# Monochromacy



**Original Color**

66.7827, 0.2743, 0.3183

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

64.1485, 0.2978, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  66.7827, 0.2743, 0.3183 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(172, 222, 231)` looks like.

```
.text, #text, p{  
    color:rgb(172, 222, 231)  
}
```

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(172, 222, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 222, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7827, 0.2743, 0.3183 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(172, 222, 231) }
```

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

```
.border{ border-color:rgb(172, 222, 231) }
```

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

Here you see how a box with a 4 pixel rgb(172, 222, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 222, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 222, 231);  
box-shadow:4px 4px 4px 4px rgb(172, 222,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7827, 0.2743, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 222, 231) }
```

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

```
.background{ background-color: rgb(172,  
222, 231) }
```

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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