

# Converting Colors

$Yxy(70.0845, 0.2832, 0.3212)$

Have a look what the booklet for  
Yxy(70.0845, 0.2832, 0.3212)  
contains.

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# Color

**Yxy(70.2414, 0.2832, 0.3209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBE1E8
RGB	187, 225, 232
RGB Percent	73%, 88%, 91%
CMY	0.2666, 0.1176, 0.0901
CMYK	0.19, 0.03, 0.00, 0.09
HSL	189°, 49%, 82%
HSV	189°, 19%, 91%
XYZ	61.9893, 70.2414, 86.6581
YIQ	214.4360, -24.8950, -5.8790

# Conversions

## Conversions Part 2

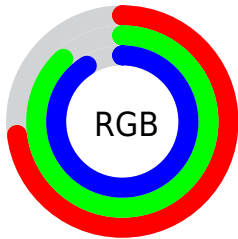
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 208, 232
Decimal	12313064
CIELab	87.12, -10.85, -7.56
CIElCh	87, 13.228, 214.855
Yxy	70.2414, 0.2832, 0.3209
Android (android.graphics.Color)	4290503144 (0xFFBBE1E8)
YUV	214.4360, 8.6591, -24.0614
Hunter-Lab	83.8101, -14.6421, -2.6376

# Details

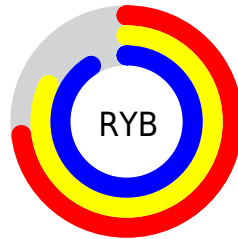
The Yxy color **70.2414, 0.2832, 0.3209** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.3530, 0.3495, 0.3370**, and the grayscale version is **67.5111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **36.8706, 0.2766, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **65.6109, 0.2689, 0.3162**, and if you desaturate by 10%, it is **75.3921, 0.2982, 0.3253**.

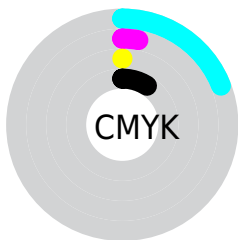
# Distribution



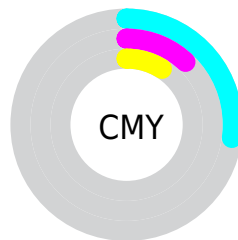
- Red (73%)
- Green (88%)
- Blue (91%)



- Red (73%)
- Yellow (82%)
- Blue (91%)



- Cyan (19%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (12%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2414, 0.2832, 0.3209 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 70.2414, 0.2832, 0.3209 by changing the saturation by 10% instead.



70.2414, 0.2832,  
0.3209

70.2414, 0.2832,  
0.3209

461.3971, 0.2968,  
0.3248

51.7234, 0.2801,  
0.3200

119.5529, 0.2879,  
0.3223

36.7846, 0.2763,  
0.3188

151.1152, 0.2898,  
0.3228

25.0408, 0.2714,  
0.3172

187.7944, 0.2913,  
0.3233

16.1074, 0.2651,  
0.3152

229.9748, 0.2927,  
0.3237

9.6002, 0.2565,  
0.3122

278.0409, 0.2939,  
0.3240

5.1347, 0.2442,  
0.3077

332.3771, 0.2950,

2.3265, 0.2251,

0.3243

393.3677, 0.2960,  
0.3246

0.3002

0.7877, 0.1777,  
0.2894

0.0000, 0.0000,  
0.0000

70.2414, 0.2832,  
0.3209

70.2414, 0.2832,  
0.3209

65.6109, 0.2689,  
0.3162

75.3921, 0.2982,  
0.3253

61.4691, 0.2556,  
0.3112

81.0757, 0.3136,  
0.3292

57.7940, 0.2437,  
0.3059

87.0065, 0.3281,  
0.3328

54.5585, 0.2334,  
0.3004

89.1137, 0.3277,  
0.3364

■ 51.7324, 0.2248,  
0.2948

■ 91.2635, 0.3274,  
0.3399

■ 49.2813, 0.2183,  
0.2892

■ 93.4561, 0.3270,  
0.3434

■ 47.1645, 0.2137,  
0.2836

■ 95.6919, 0.3266,  
0.3468

■ 45.3168, 0.2107,  
0.2781

■ 97.9709, 0.3263,  
0.3503

■ 45.2103, 0.2105,  
0.2778

■ 98.6081, 0.3262,  
0.3512

# Harmonies

## Analogous

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



70.2414, 0.2916, 0.3358



70.2414, 0.2832, 0.3209



70.2414, 0.2825, 0.3088

# Triad

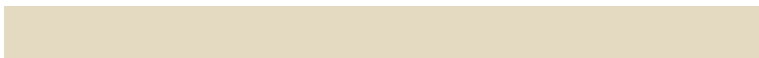
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2414, 0.2832, 0.3209



70.2414, 0.3192, 0.3101



70.2414, 0.3360, 0.3562

# Complementary

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



70.2414, 0.2832, 0.3209



59.3530, 0.3495, 0.3370

# 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.



70.2414, 0.3439, 0.3484



70.2414, 0.2832, 0.3209



70.2414, 0.3341, 0.3220

# Square

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



70.2414, 0.2832, 0.3209



70.2414, 0.3029, 0.3030



70.2414, 0.3432, 0.3358



70.2414, 0.3220, 0.3566



# Rectangle

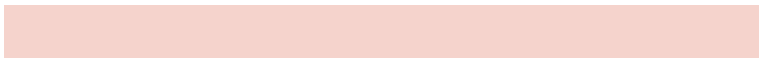
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2414, 0.2832, 0.3209



70.2414, 0.2864, 0.3038



70.2414, 0.3432, 0.3358



70.2414, 0.3395, 0.3543

# Sweetspot

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



70.2443, 0.2832, 0.3209



95.6972, 0.3034, 0.3266



72.1824, 0.3061, 0.3741



20.3861, 0.3024, 0.3264



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

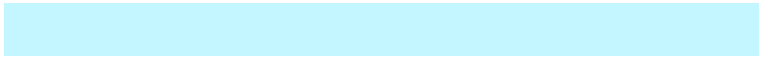


# Same Dimension

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



70.2443, 0.2832, 0.3209



84.8154, 0.2778, 0.3192



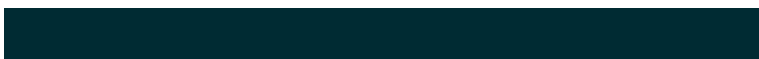
58.9969, 0.2816, 0.2948



15.9326, 0.2981, 0.3252



25.2436, 0.2108, 0.2787



1.9691, 0.2130, 0.2868



# Inverse Universe

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



58.1428, 0.3203, 0.2881



67.5418, 0.3220, 0.2800



70.0025, 0.3450, 0.3610



14.5745, 0.3162, 0.3094



11.7461, 0.3647, 0.1783

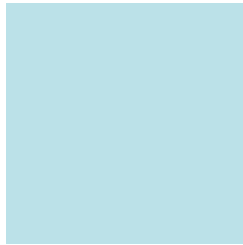


0.8785, 0.3573, 0.1742



# Previews

## White Background



This preview shows how the Yxy color 70.2414, 0.2832, 0.3209 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

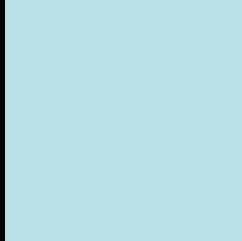
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2414, 0.2832, 0.3209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

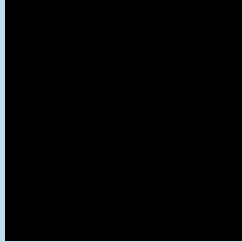
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

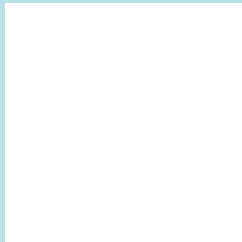
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2414, 0.2832, 0.3209**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.2414, 0.2832, 0.3209.

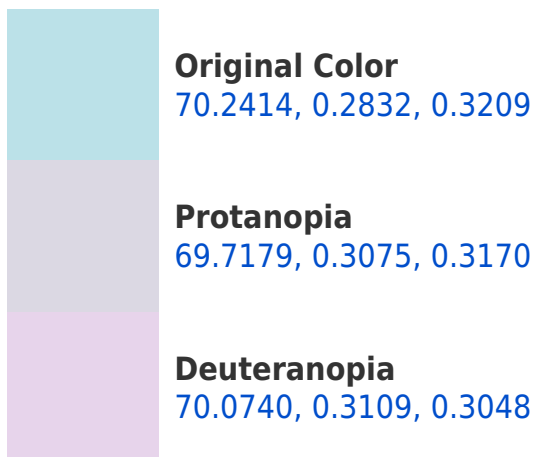


This preview shows how white text looks on a background with the Yxy color 70.2414, 0.2832, 0.3209.

# 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

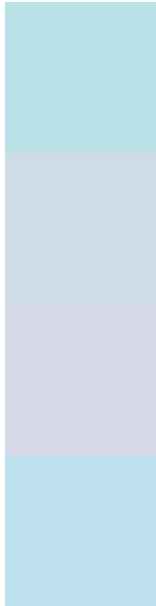




## Tritanopia

70.4810, 0.2792, 0.3098

# Trichromacy



**Original Color**

70.2414, 0.2832, 0.3209

**Protanomaly**

69.5856, 0.2979, 0.3179

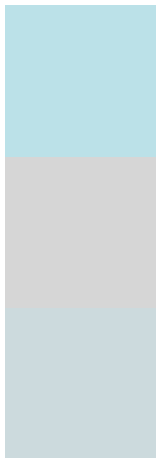
**Deuteranomaly**

70.0133, 0.3002, 0.3105

**Tritanomaly**

70.1757, 0.2803, 0.3131

# Monochromacy



**Original Color**

70.2414, 0.2832, 0.3209

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

68.2006, 0.3009, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2414, 0.2832, 0.3209 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(187, 225, 232)` looks like.

```
.text, #text, p{  
    color:rgb(187, 225, 232)  
}
```

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(187, 225, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 225, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2414, 0.2832, 0.3209 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(187, 225, 232) }
```

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

```
.border{ border-color:rgb(187, 225, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 225, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 225, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 225, 232); box-shadow:4px 4px 4px 4px rgb(187, 225, 232) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2414, 0.2832, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 225, 232) }
```

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

```
.background{ background-color: rgb(187,  
225, 232) }
```

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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