

# Converting Colors

$Yxy(69.7755, 0.2803, 0.3124)$

Have a look what the booklet for  
Yxy(69.7755, 0.2803, 0.3124)  
contains.

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# Color

**Yxy(69.6398, 0.2802, 0.3120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCDFEE
RGB	188, 223, 238
RGB Percent	74%, 87%, 93%
CMY	0.2631, 0.1254, 0.0667
CMYK	0.21, 0.06, 0.00, 0.07
HSL	198°, 60%, 84%
HSV	198°, 21%, 93%
XYZ	62.5419, 69.6398, 91.0228
YIQ	214.2450, -25.6750, -2.7550

# Conversions

## Conversions Part 2

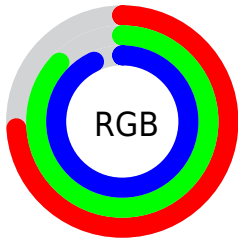
Format	Color
R <sub>Y</sub> B	188, 209, 238
Decimal	12378094
CIE Lab	86.82, -8.30, -11.13
CIE LCh	87, 13.882, 233.294
Yxy	69.6398, 0.2802, 0.3120
Android (android.graphics.Color)	4290568174 (0xFFBCDFEE)
YUV	214.2450, 11.7112, -23.0169
Hunter-Lab	83.4505, -12.2616, -6.2547

# Details

The Yxy color **69.6398, 0.2802, 0.3120** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64.4557, 0.3518, 0.3454**, and the grayscale version is **67.3429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **36.4510, 0.2728, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **63.1461, 0.2651, 0.3027**, and if you desaturate by 10%, it is **76.7971, 0.2956, 0.3205**.

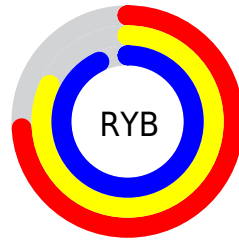
# Distribution



Red (74%)

Green (87%)

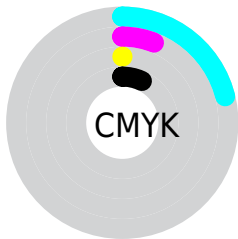
Blue (93%)



Red (74%)

Yellow (82%)

Blue (93%)

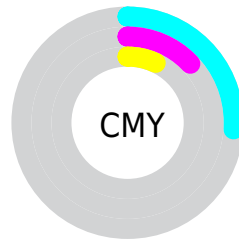


Cyan (21%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (26%)

Magenta (13%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6398, 0.2802, 0.3120 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 69.6398, 0.2802, 0.3120 by changing the saturation by 10% instead.



69.6398, 0.2802,  
0.3120

69.6398, 0.2802,  
0.3120

459.2843, 0.2952,  
0.3201

51.2329, 0.2768,  
0.3101

118.6949, 0.2854,  
0.3148

36.3940, 0.2726,  
0.3077

150.1120, 0.2874,  
0.3159

24.7387, 0.2672,  
0.3047

186.6346, 0.2892,  
0.3169

15.8825, 0.2603,  
0.3007

228.6471, 0.2907,  
0.3177

9.4410, 0.2509,  
0.2951

276.5339, 0.2920,  
0.3184

5.0299, 0.2374,  
0.2868

330.6795, 0.2932,

2.2648, 0.2167,

0.3190

0.2733

391.4681, 0.2943,  
0.3196

0.7550, 0.1705,  
0.2500

0.0000, 0.0000,  
0.0000

69.6398, 0.2802,  
0.3120

69.6398, 0.2802,  
0.3120

63.1461, 0.2651,  
0.3027

76.7971, 0.2956,  
0.3205

57.2811, 0.2507,  
0.2927

84.6340, 0.3111,  
0.3282

52.0191, 0.2373,  
0.2821

92.3494, 0.3235,  
0.3352

47.3292, 0.2253,  
0.2711

96.7199, 0.3229,  
0.3420

■ 43.1767, 0.2150,  
0.2597

■ 98.9522, 0.3226,  
0.3454

■ 39.5224, 0.2067,  
0.2482

■ 36.3195, 0.2005,  
0.2369

■ 33.7661, 0.1964,  
0.2268

# Harmonies

## Analogous

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



69.6398, 0.2842, 0.3264



69.6398, 0.2802, 0.3120



69.6398, 0.2846, 0.3027

# Triad

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



69.6398, 0.2802, 0.3120



69.6398, 0.3296, 0.3164



69.6398, 0.3286, 0.3589

# Complementary

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



69.6398, 0.2802, 0.3120



64.4557, 0.3518, 0.3454

# 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.



69.6398, 0.3414, 0.3552



69.6398, 0.2802, 0.3120



69.6398, 0.3420, 0.3305

# Square

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



69.6398, 0.2802, 0.3120



69.6398, 0.3128, 0.3055



69.6398, 0.3464, 0.3447



69.6398, 0.3119, 0.3542



# Rectangle

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



69.6398, 0.2802, 0.3120



69.6398, 0.2918, 0.3004



69.6398, 0.3464, 0.3447



69.6398, 0.3335, 0.3586

# Sweetspot

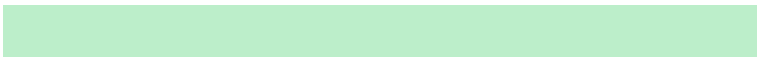
The Sweet Spot groups the original color and five complimentary colors.



69.6426, 0.2802, 0.3120



94.3307, 0.3034, 0.3245



76.0911, 0.3016, 0.3704



20.0624, 0.3024, 0.3240



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

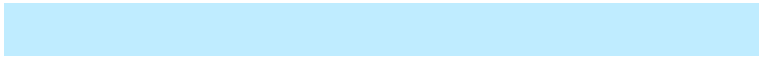


# Same Dimension

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



69.6426, 0.2802, 0.3120



78.2925, 0.2740, 0.3083



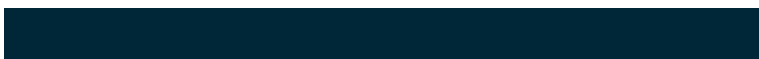
57.5920, 0.2782, 0.2835



17.0850, 0.2981, 0.3218



19.0771, 0.1968, 0.2286



1.7599, 0.2010, 0.2434



# Inverse Universe

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



59.4349, 0.3266, 0.2917



64.6841, 0.3298, 0.2842



76.8157, 0.3466, 0.3707



15.9462, 0.3184, 0.3126



11.7192, 0.4141, 0.2055

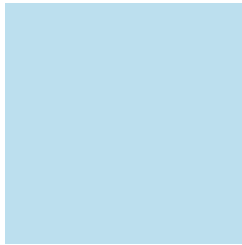


0.9924, 0.3988, 0.1971



# Previews

## White Background



This preview shows how the Yxy color 69.6398, 0.2802, 0.3120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

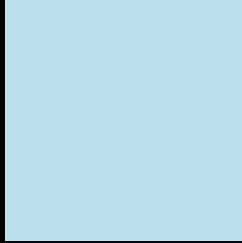
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6398, 0.2802, 0.3120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

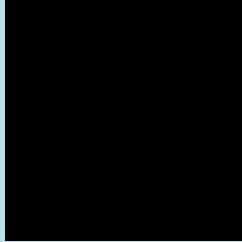
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.6398, 0.2802, 0.3120**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6398, 0.2802, 0.3120.

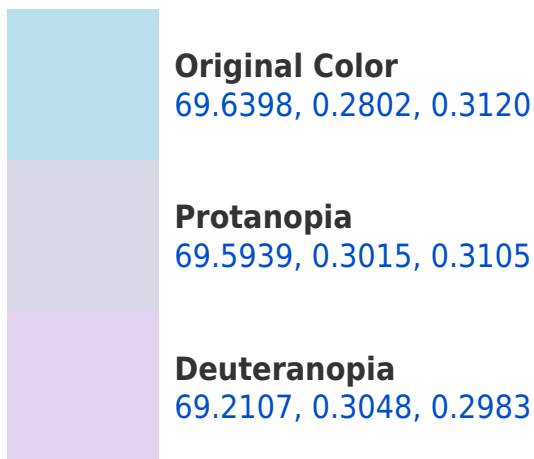


This preview shows how white text looks on a background with the Yxy color 69.6398, 0.2802, 0.3120.

# 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

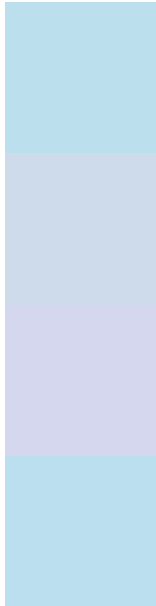




## Tritanopia

69.7580, 0.2791, 0.3098

# Trichromacy



**Original Color**

69.6398, 0.2802, 0.3120

**Protanomaly**

69.7830, 0.2934, 0.3113

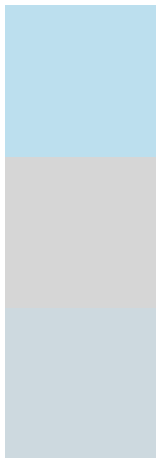
**Deuteranomaly**

68.9790, 0.2956, 0.3029

**Tritanomaly**

69.6987, 0.2797, 0.3109

# Monochromacy



**Original Color**

69.6398, 0.2802, 0.3120

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

67.9326, 0.3003, 0.3222

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6398, 0.2802, 0.3120 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(188, 223, 238)` looks like.

```
.text, #text, p{  
    color:rgb(188, 223, 238)  
}
```

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(188, 223, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 223, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6398, 0.2802, 0.3120 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(188, 223, 238) }
```

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

```
.border{ border-color:rgb(188, 223, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 223, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 223, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 223, 238);  
box-shadow:4px 4px 4px 4px rgb(188, 223,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6398, 0.2802, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 223, 238) }
```

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

```
.background{ background-color: rgb(188,  
223, 238) }
```

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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