

# Converting Colors

Yxy(69.8510, 0.2841, 0.3161)

Have a look what the booklet for  
Yxy(69.8510, 0.2841, 0.3161)  
contains.

<b>Yxy(69.7922, 0.2844, 0.3165)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

# Color

**Yxy(69.7922, 0.2844, 0.3165)**

# Conversions

Conversions Part 1	
Format	Color
Hex	BFDFEA
RGB	191, 223, 234
RGB Percent	75%, 87%, 92%
CMY	0.2512, 0.1254, 0.0824
CMYK	0.18, 0.05, 0.00, 0.08
HSL	195°, 51%, 83%
HSV	195°, 18%, 92%
XYZ	62.7137, 69.7922, 88.0065
YIQ	214.6860, -22.6030, -3.3630

# Conversions

## Conversions Part 2

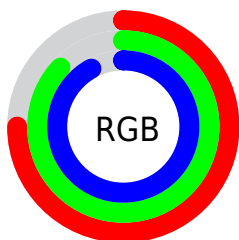
Format	Color
<a href="#">RYB</a>	<a href="#">191, 209, 234</a>
Decimal	<a href="#">12574698</a>
CIELab	<a href="#">86.89, -8.22, -8.90</a>
CIELCh	<a href="#">87, 12.114, 227.252</a>
Yxy	<a href="#">69.7922, 0.2844, 0.3165</a>
Android (android.graphics.Color)	<a href="#">4290764778</a> (0xFFBFDFEA)
YUV	<a href="#">214.6860, 9.5218, -20.7726</a>
Hunter-Lab	<a href="#">83.5417, -12.2003, -3.9795</a>

# Details

The Yxy color `69.7922, 0.2844, 0.3165` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `63.4575, 0.3464, 0.3412`, and the grayscale version is `67.6729, 0.3127, 0.3290`.

A 20% lighter version of the original color is `98.6965, 0.3084, 0.3290`, and `36.5380, 0.2781, 0.3140` is the 20% darker color. If you saturate the color by 10%, you get `63.8673, 0.2694, 0.3088`, and if you desaturate by 10%, it is `76.3198, 0.2997, 0.3236`.

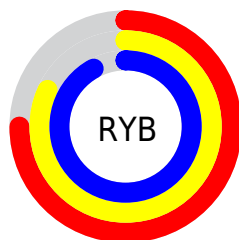
# Distribution



Red (75%)

Green (87%)

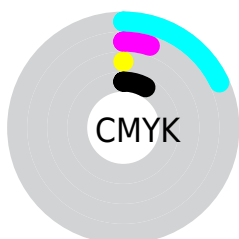
Blue (92%)



Red (75%)

Yellow (82%)

Blue (92%)

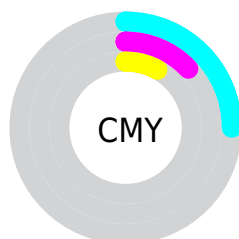


Cyan (18%)

Magenta (5%)

Yellow (0%)

Black (8%)



Cyan (25%)


Magenta (13%)


Yellow (8%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7922, 0.2844, 0.3165 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 69.7922, 0.2844, 0.3165 by changing the saturation by 10% instead.


 69.7922, 0.2844,  
0.3165

 69.7922, 0.2844,  
0.3165


459.8200, 0.2975,  
0.3225

 51.3571, 0.2814,  
0.3151


 118.9124, 0.2889,  
0.3186

 36.4929, 0.2777,  
0.3133


150.3663, 0.2907,  
0.3194

 24.8151, 0.2731,  
0.3111


186.9286, 0.2922,  
0.3201

 15.9394, 0.2670,  
0.3081

228.9837, 0.2935,  
0.3207

 9.4813, 0.2587,  
0.3039

276.9160, 0.2947,  
0.3212

 5.0564, 0.2468,  
0.2976


331.1099, 0.2957,


 2.2804, 0.2283,

0.3217

0.2873

391.9498, 0.2967,  
0.3221


 0.7633, 0.1855,  
0.2699


 0.0000, 0.0000,  
0.0000


 69.7922, 0.2844,  
0.3165

 69.7922, 0.2844,  
0.3165


 63.8673, 0.2694,  
0.3088


 76.3198, 0.2997,  
0.3236


 58.5125, 0.2552,  
0.3005

 83.4642, 0.3152,  
0.3300

 53.7046, 0.2420,  
0.2917

 90.0654, 0.3263,  
0.3358

 49.4153, 0.2302,  
0.2825

 93.6552, 0.3258,  
0.3416

■ 45.6132, 0.2201,  
0.2730

■ 97.3619, 0.3252,  
0.3473

■ 42.2628, 0.2119,  
0.2634

■ 98.7205, 0.3250,  
0.3493

■ 39.3221, 0.2057,  
0.2538

■ 36.7318, 0.2014,  
0.2443

■ 36.3364, 0.2008,  
0.2428

# Harmonies

## Analogous

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



69.7922, 0.2894, 0.3296



69.7922, 0.2844, 0.3165



69.7922, 0.2868, 0.3073

# Triad

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



69.7922, 0.2844, 0.3165



69.7922, 0.3247, 0.3157



69.7922, 0.3293, 0.3550

# Complementary

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



69.7922, 0.2844, 0.3165



63.4575, 0.3464, 0.3412

# 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.



69.7922, 0.3392, 0.3505



69.7922, 0.2844, 0.3165



69.7922, 0.3366, 0.3278

# Square

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



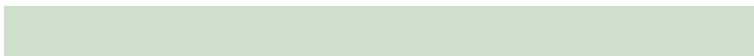
69.7922, 0.2844, 0.3165



69.7922, 0.3098, 0.3071



69.7922, 0.3419, 0.3404



69.7922, 0.3151, 0.3523

# Rectangle

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



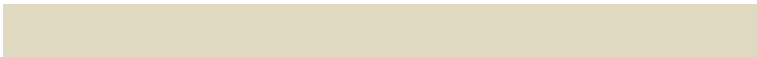
69.7922, 0.2844, 0.3165



69.7922, 0.2923, 0.3043



69.7922, 0.3419, 0.3404



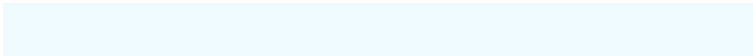
69.7922, 0.3332, 0.3542

# Sweetspot

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



69.7951, 0.2844, 0.3165



94.7483, 0.3034, 0.3252



74.1651, 0.3039, 0.3663



20.1613, 0.3024, 0.3247



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

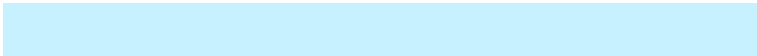


# Same Dimension

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



69.7951, 0.2844, 0.3165



82.0769, 0.2788, 0.3137



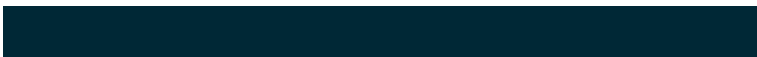
59.1139, 0.2830, 0.2916



16.4336, 0.2981, 0.3228



20.6312, 0.2012, 0.2443



1.7725, 0.2048, 0.2574



# Inverse Universe

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



60.0584, 0.3231, 0.2946



68.3933, 0.3256, 0.2874



74.1531, 0.3424, 0.3638



15.2443, 0.3177, 0.3116



11.5755, 0.3979, 0.1966

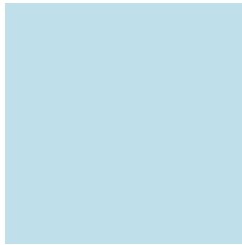


0.9243, 0.3849, 0.1894



# Previews

## White Background



This preview shows how the Yxy color 69.7922, 0.2844, 0.3165 looks on a white background.

## Color Contrast Check

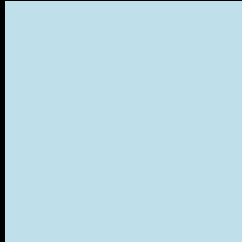
Large Text (above 18pt) WCAG AA × Fail

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 69.7922, 0.2844, 0.3165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

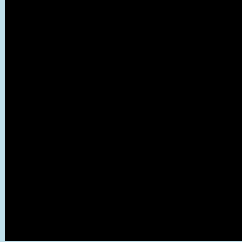
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.7922, 0.2844, 0.3165**

## Background



This preview shows how black text looks on a background with the Yxy color 69.7922, 0.2844, 0.3165.

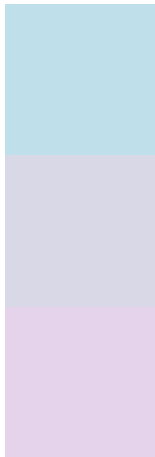


This preview shows how white text looks on a background with the Yxy color 69.7922, 0.2844, 0.3165.

# 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

69.7922, 0.2844, 0.3165

### Protanopia

69.5766, 0.3042, 0.3137

### Deuteranopia

69.3027, 0.3089, 0.3026



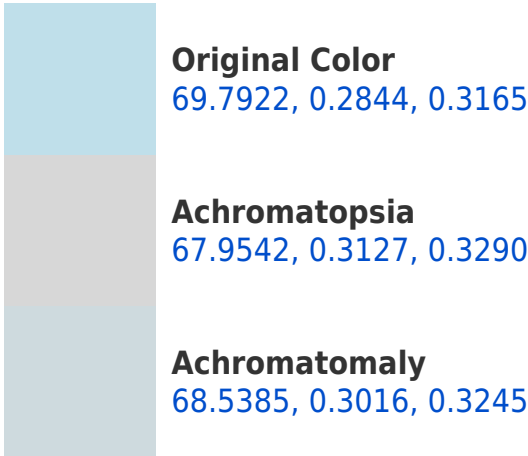
## Tritanopia

69.7403, 0.2815, 0.3088

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7922, 0.2844, 0.3165 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(191, 223, 234)` looks like.

```
.text, #text, p{  
    color:rgb(191, 223, 234)  
}
```

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(191, 223, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 223, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7922, 0.2844, 0.3165 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(191, 223, 234) }
```

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

```
.border{ border-color:rgb(191, 223, 234) }
```

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

Here you see how a box with a 4 pixel rgb(191, 223, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 223, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 223, 234);  
box-shadow:4px 4px 4px 4px rgb(191, 223,  
234) }
```

# Background

The CSS property to change the background color of an element to Yxy 69.7922, 0.2844, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 223, 234) }
```

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

```
.background{ background-color: rgb(191,  
223, 234) }
```

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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