

# Converting Colors

$Yxy(72.3621, 0.2865, 0.3149)$

Have a look what the booklet for  
Yxy(72.3621, 0.2865, 0.3149)  
contains.

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# Color

**Yxy(72.5715, 0.2867, 0.3156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6E2EE
RGB	198, 226, 238
RGB Percent	78%, 89%, 93%
CMY	0.2234, 0.1137, 0.0665
CMYK	0.17, 0.05, 0.00, 0.07
HSL	198°, 54%, 86%
HSV	198°, 17%, 93%
XYZ	65.9260, 72.5715, 91.4502
YIQ	218.9960, -20.5400, -2.2040

# Conversions

## Conversions Part 2

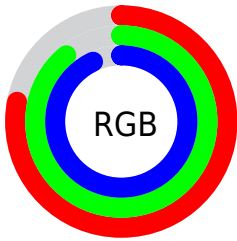
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">198, 214, 238</a>
Decimal	<a href="#">13034222</a>
CIELab	<a href="#">88.24, -6.73, -8.97</a>
CIELCh	<a href="#">88, 11.212, 233.142</a>
Yxy	<a href="#">72.5715, 0.2867, 0.3156</a>
Android (android.graphics.Color)	<a href="#">4291224302</a> ( <a href="#">0xFFC6E2EE</a> )
YUV	<a href="#">218.9960, 9.3690, -18.4135</a>
Hunter-Lab	<a href="#">85.1889, -10.9430, -4.0155</a>

# Details

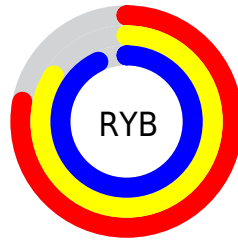
The Yxy color **72.5715, 0.2867, 0.3156** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.3876, 0.3427, 0.3420**, and the grayscale version is **70.7854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.4325, 0.2810, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **65.7745, 0.2714, 0.3066**, and if you desaturate by 10%, it is **80.0457, 0.3022, 0.3238**.

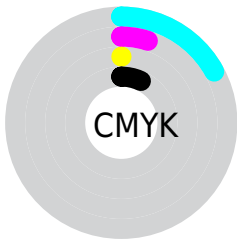
# Distribution



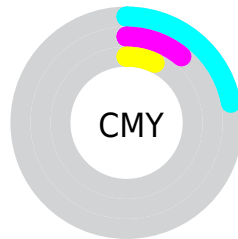
- Red (78%)
- Green (89%)
- Blue (93%)



- Red (78%)
- Yellow (84%)
- Blue (93%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (11%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5715, 0.2867, 0.3156 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 72.5715, 0.2867, 0.3156 by changing the saturation by 10% instead.



■ 72.5715, 0.2867,  
0.3156

■ 72.5715, 0.2867,  
0.3156

469.5284, 0.2987,  
0.3219

■ 53.6257, 0.2840,  
0.3141

122.8687, 0.2908,  
0.3178

■ 38.3025, 0.2807,  
0.3123

154.9889, 0.2924,  
0.3187

■ 26.2175, 0.2764,  
0.3100

192.2692, 0.2938,  
0.3194

■ 16.9864, 0.2710,  
0.3069

235.0942, 0.2950,  
0.3200

■ 10.2248, 0.2636,  
0.3027

283.8483, 0.2961,  
0.3206

■ 5.5483, 0.2530,  
0.2964

338.9157, 0.2971,

■ 2.5724, 0.2367,

0.3211

0.2865

400.6809, 0.2979,  
0.3215

0.9128, 0.2070,  
0.2687

0.0000, 0.0000,  
0.0000

72.5715, 0.2867,  
0.3156

72.5715, 0.2867,  
0.3156

65.7745, 0.2714,  
0.3066

80.0457, 0.3022,  
0.3238

59.6200, 0.2566,  
0.2968

88.2120, 0.3176,  
0.3313

54.0834, 0.2427,  
0.2864

94.2550, 0.3232,  
0.3382

49.1348, 0.2301,  
0.2754

98.7326, 0.3226,  
0.3450

■ 44.7412, 0.2190,  
0.2640

■ 98.9553, 0.3226,  
0.3453

■ 40.8655, 0.2098,  
0.2525

■ 37.4643, 0.2027,  
0.2410

■ 34.4833, 0.1975,  
0.2296

■ 33.5935, 0.1961,  
0.2261

# Harmonies

## Analogous

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



72.5715, 0.2900, 0.3271



72.5715, 0.2867, 0.3156



72.5715, 0.2902, 0.3081

# Triad

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



72.5715, 0.2867, 0.3156



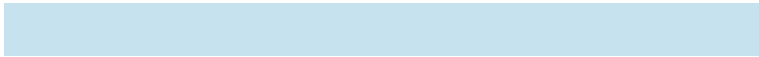
72.5715, 0.3261, 0.3189



72.5715, 0.3255, 0.3528

# Complementary

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



72.5715, 0.2867, 0.3156



68.3876, 0.3427, 0.3420

# 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.



72.5715, 0.3356, 0.3499



72.5715, 0.2867, 0.3156



72.5715, 0.3360, 0.3302

# Square

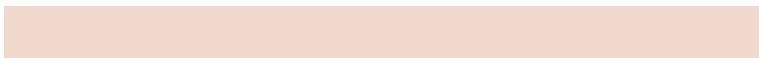
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.5715, 0.2867, 0.3156



72.5715, 0.3128, 0.3102



72.5715, 0.3395, 0.3416



72.5715, 0.3122, 0.3489



# Rectangle

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



72.5715, 0.2867, 0.3156



72.5715, 0.2960, 0.3062



72.5715, 0.3395, 0.3416



72.5715, 0.3294, 0.3525

# Sweetspot

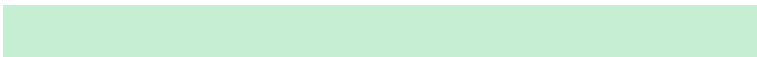
The Sweet Spot groups the original color and five complimentary colors.



72.5745, 0.2867, 0.3156



95.2377, 0.3050, 0.3252



77.8347, 0.3034, 0.3605



20.2451, 0.3039, 0.3247



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

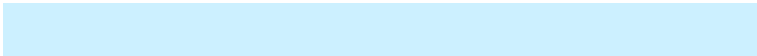


# Same Dimension

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



72.5745, 0.2867, 0.3156



82.1725, 0.2817, 0.3127



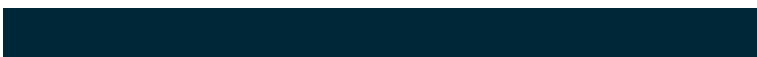
62.3393, 0.2856, 0.2928



17.0790, 0.2981, 0.3217



18.9725, 0.1966, 0.2278



1.7518, 0.2008, 0.2427



# Inverse Universe

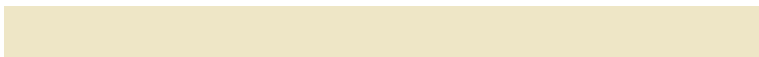
The Inverse Universe completely reimagines the original color for something new.



64.0732, 0.3234, 0.2995



70.7163, 0.3259, 0.2935



78.8752, 0.3393, 0.3628



15.9456, 0.3184, 0.3126



11.7086, 0.4149, 0.2059

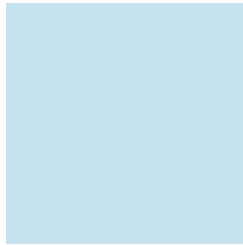


0.9916, 0.3995, 0.1975



# Previews

## White Background



This preview shows how the Yxy color 72.5715, 0.2867, 0.3156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

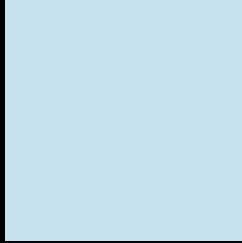
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.5715, 0.2867, 0.3156 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

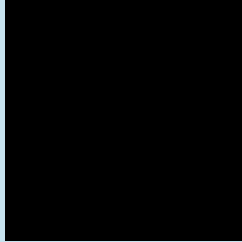
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

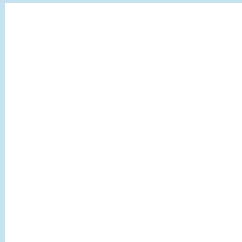
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.5715, 0.2867, 0.3156**

## Background



This preview shows how black text looks on a background with the Yxy color 72.5715, 0.2867, 0.3156.

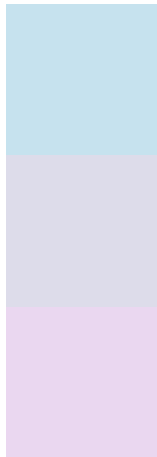


This preview shows how white text looks on a background with the Yxy color 72.5715, 0.2867, 0.3156.

# 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

72.5715, 0.2867, 0.3156

### Protanopia

72.4991, 0.3043, 0.3140

### Deuteranopia

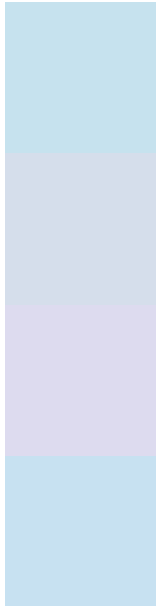
72.3846, 0.3096, 0.3030



## Tritanopia

72.4636, 0.2844, 0.3092

# Trichromacy



## Original Color

72.5715, 0.2867, 0.3156

## Protanomaly

72.3868, 0.2982, 0.3149

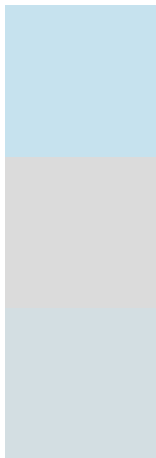
## Deuteranomaly

72.2672, 0.3011, 0.3077

## Tritanomaly

72.3434, 0.2855, 0.3113

# Monochromacy



## Original Color

72.5715, 0.2867, 0.3156

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.5824, 0.3025, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5715, 0.2867, 0.3156 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(198, 226, 238)` looks like.

```
.text, #text, p{  
    color:rgb(198, 226, 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(198, 226, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 226, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5715, 0.2867, 0.3156 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(198, 226, 238) }
```

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

```
.border{ border-color:rgb(198, 226, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 226, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 226, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 226, 238);  
box-shadow:4px 4px 4px 4px rgb(198, 226,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5715, 0.2867, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 226, 238) }
```

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

```
.background{ background-color: rgb(198,  
226, 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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