

Converting Colors

Yxy(66.8657, 0.3008, 0.3228)

Have a look what the booklet for
Yxy(66.8657, 0.3008, 0.3228)
contains.

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Color

Yxy(66.6587, 0.3009, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	CCD7DD
RGB	204, 215, 221
RGB Percent	80%, 84%, 87%
CMY	0.2000, 0.1568, 0.1334
CMYK	0.08, 0.03, 0.00, 0.13
HSL	201°, 20%, 83%
HSV	201°, 8%, 87%
XYZ	62.2520, 66.6587, 77.9754
YIQ	212.3950, -8.4820, -0.4660

Conversions

Conversions Part 2

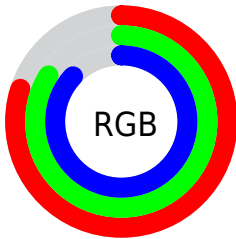
Format	Color
R_{YB}	204, 211, 221
Decimal	13424605
CIE Lab	85.33, -2.55, -4.23
CIE LCh	85, 4.938, 238.851
Yxy	66.6587, 0.3009, 0.3222
Android (android.graphics.Color)	4291614685 (0xFFCCD7DD)
YUV	212.3950, 4.2423, -7.3624
Hunter-Lab	81.6448, -6.7767, 0.5261

Details

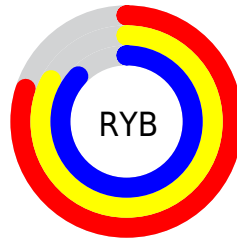
The Yxy color **66.6587, 0.3009, 0.3222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.8116, 0.3252, 0.3357**, and the grayscale version is **66.0917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.3788, 0.2981, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **59.8903, 0.2854, 0.3125**, and if you desaturate by 10%, it is **74.0640, 0.3162, 0.3309**.

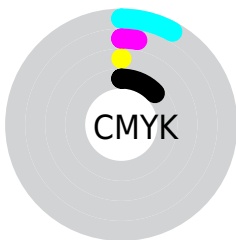
Distribution



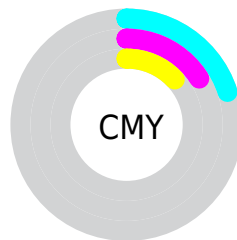
- Red (80%)
- Green (84%)
- Blue (87%)



- Red (80%)
- Yellow (83%)
- Blue (87%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (20%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6587, 0.3009, 0.3222 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 66.6587, 0.3009, 0.3222 by changing the saturation by 10% instead.

■ 66.6587, 0.3009,
0.3222

■ 66.6587, 0.3009,
0.3222

448.7289, 0.3064,
0.3254

■ 48.8073, 0.2996,
0.3214

114.4312, 0.3028,
0.3233

■ 34.4667, 0.2980,
0.3205

145.1212, 0.3036,
0.3238

■ 23.2523, 0.2960,
0.3193

180.8594, 0.3042,
0.3241

■ 14.7799, 0.2933,
0.3177

222.0303, 0.3048,
0.3245

■ 8.6651, 0.2895,
0.3154

269.0184, 0.3053,
0.3248

■ 4.5234, 0.2840,
0.3121

322.2079, 0.3057,

■ 1.9704, 0.2751,

0.3250

381.9833, 0.3061,
0.3252

0.3065

0.5902, 0.2460,
0.2912

0.0000, 0.0000,
0.0000

66.6587, 0.3009,
0.3222

66.6587, 0.3009,
0.3222

59.8903, 0.2854,
0.3125

74.0640, 0.3162,
0.3309

53.7292, 0.2699,
0.3019

82.1177, 0.3312,
0.3388

48.1558, 0.2548,
0.2903

87.8233, 0.3350,
0.3462

43.1458, 0.2404,
0.2780

92.4582, 0.3339,
0.3537

■ 38.6731, 0.2272,
0.2650

■ 97.2912, 0.3329,
0.3611

■ 34.7089, 0.2156,
0.2516

■ 97.9993, 0.3328,
0.3621

■ 31.2207, 0.2058,
0.2379

■ 28.1711, 0.1980,
0.2244

■ 25.5092, 0.1923,
0.2111

Harmonies

Analogous

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



66.6587, 0.3018, 0.3272



66.6587, 0.3009, 0.3222



66.6587, 0.3031, 0.3191

Triad

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



66.6587, 0.3009, 0.3222



66.6587, 0.3198, 0.3253



66.6587, 0.3175, 0.3396

Complementary

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



66.6587, 0.3009, 0.3222



65.8116, 0.3252, 0.3357

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.



66.6587, 0.3224, 0.3390



66.6587, 0.3009, 0.3222



66.6587, 0.3238, 0.3307

Square

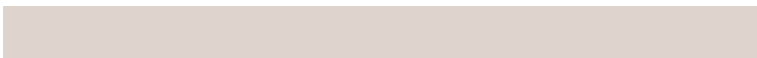
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.6587, 0.3009, 0.3222



66.6587, 0.3140, 0.3210



66.6587, 0.3247, 0.3357



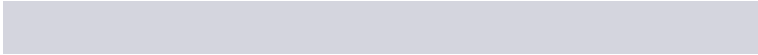
66.6587, 0.3114, 0.3373

Rectangle

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



66.6587, 0.3009, 0.3222



66.6587, 0.3061, 0.3185



66.6587, 0.3247, 0.3357



66.6587, 0.3193, 0.3397

Sweetspot

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



66.6615, 0.3009, 0.3222



97.9058, 0.3096, 0.3273



69.1900, 0.3079, 0.3416



20.9779, 0.3098, 0.3274



0.0000, 0.0000, 0.0000



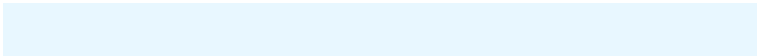
21.4041, 0.3127, 0.3290

Same Dimension

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



66.6615, 0.3009, 0.3222



90.8591, 0.2987, 0.3209



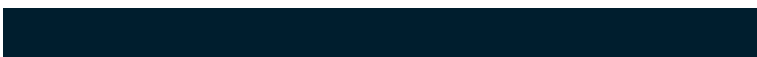
62.4670, 0.3009, 0.3125



14.0182, 0.2982, 0.3206



14.7051, 0.1917, 0.2101



1.1123, 0.1977, 0.2317

Inverse Universe

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



63.4645, 0.3178, 0.3168



85.7121, 0.3189, 0.3145



70.0959, 0.3243, 0.3450



13.1930, 0.3191, 0.3140



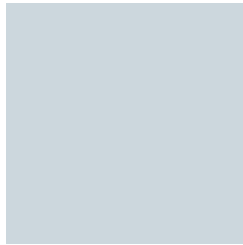
10.1082, 0.4340, 0.2165



0.6710, 0.4109, 0.2037

Previews

White Background



This preview shows how the Yxy color 66.6587, 0.3009, 0.3222 looks on a white background.

Color Contrast Check

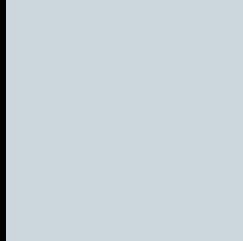
Large Text (above 18pt) WCAG AA × Fail

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 66.6587, 0.3009, 0.3222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

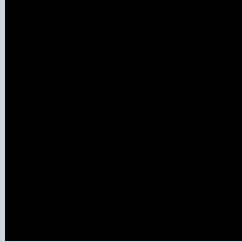
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

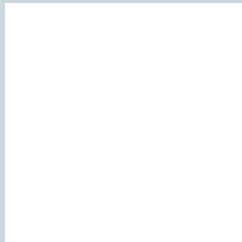
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6587, 0.3009, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 66.6587, 0.3009, 0.3222.

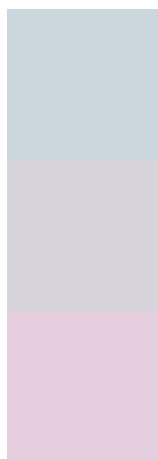


This preview shows how white text looks on a background with the Yxy color 66.6587, 0.3009, 0.3222.

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

66.6587, 0.3009, 0.3222

Protanopia

66.6485, 0.3102, 0.3212

Deuteranopia

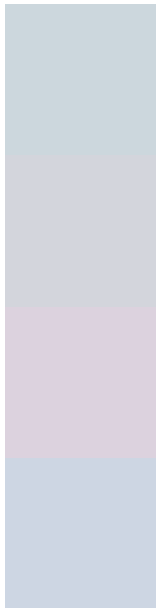
66.6114, 0.3180, 0.3118



Tritanopia

66.9281, 0.2965, 0.3111

Trichromacy



Original Color

66.6587, 0.3009, 0.3222

Protanomaly

66.6047, 0.3065, 0.3211

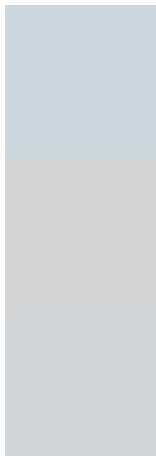
Deuteranomaly

66.5828, 0.3119, 0.3158

Tritanomaly

66.6183, 0.2977, 0.3144

Monochromacy



Original Color

66.6587, 0.3009, 0.3222

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.0501, 0.3084, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6587, 0.3009, 0.3222 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(204, 215, 221)` looks like.

```
.text, #text, p{  
    color:rgb(204, 215, 221)  
}
```

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(204, 215, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 215, 221) }
```

Border

The CSS property to change the border of an element to Yxy 66.6587, 0.3009, 0.3222 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(204, 215, 221) }
```

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

```
.border{ border-color:rgb(204, 215, 221) }
```

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

Here you see how a box with a 4 pixel rgb(204, 215, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 215, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 215, 221);  
box-shadow:4px 4px 4px 4px rgb(204, 215,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6587, 0.3009, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 215, 221) }
```

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

```
.background{ background-color: rgb(204,  
215, 221) }
```

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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