

Converting Colors

Yxy(64.7258, 0.3004, 0.3167)

Have a look what the booklet for
Yxy(64.7258, 0.3004, 0.3167)
contains.

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Color

Yxy(64.6998, 0.3002, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	CCD3DE
RGB	204, 211, 222
RGB Percent	80%, 83%, 87%
CMY	0.2002, 0.1725, 0.1294
CMYK	0.08, 0.05, 0.00, 0.13
HSL	216°, 21%, 84%
HSV	216°, 8%, 87%
XYZ	61.3677, 64.6998, 78.3552
YIQ	210.1610, -7.7030, 1.9370

Conversions

Conversions Part 2

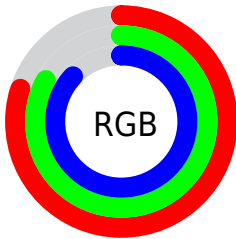
Format	Color
R_{YB}	204, 209, 222
Decimal	13423582
CIE _{Lab}	84.33, -0.30, -6.24
CIE _{LCh}	84, 6.252, 267.258
Yxy	64.6998, 0.3002, 0.3165
Android (android.graphics.Color)	4291613662 (0xFFCCD3DE)
YUV	210.1610, 5.8366, -5.4032
Hunter-Lab	80.4362, -4.5791, -1.4508

Details

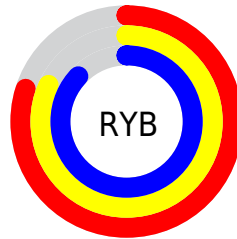
The Yxy color **64.6998, 0.3002, 0.3165** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.4411, 0.3255, 0.3412**, and the grayscale version is **64.5206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.3880, 0.2973, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **55.3619, 0.2840, 0.2994**, and if you desaturate by 10%, it is **75.0528, 0.3155, 0.3317**.

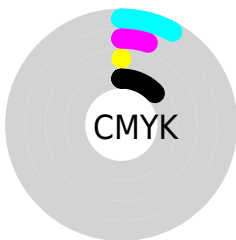
Distribution



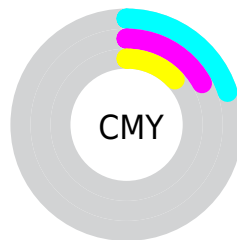
- Red (80%)
- Green (83%)
- Blue (87%)



- Red (80%)
- Yellow (82%)
- Blue (87%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)



- Cyan (20%)
- Magenta (17%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6998, 0.3002, 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 64.6998, 0.3002, 0.3165 by changing the saturation by 10% instead.

■ 64.6998, 0.3002,
0.3165

■ 64.6998, 0.3002,
0.3165

441.7124, 0.3061,
0.3224

■ 47.2177, 0.2988,
0.3151

111.6182, 0.3023,
0.3186

■ 33.2078, 0.2971,
0.3134

141.8232, 0.3031,
0.3194

■ 22.2857, 0.2949,
0.3112

177.0380, 0.3038,
0.3201

■ 14.0670, 0.2920,
0.3082

217.6470, 0.3044,
0.3207

■ 8.1673, 0.2879,
0.3042

264.0345, 0.3049,
0.3212

■ 4.2022, 0.2818,
0.2981

316.5850, 0.3053,

■ 1.7873, 0.2719,

0.3216

0.2881

375.6828, 0.3057,
0.3220

0.4792, 0.2377,
0.2541

0.0000, 0.0000,
0.0000

64.6998, 0.3002,
0.3165

64.6998, 0.3002,
0.3165

55.3619, 0.2840,
0.2994

75.0528, 0.3155,
0.3317

46.9983, 0.2670,
0.2805

86.4438, 0.3297,
0.3451

39.5774, 0.2497,
0.2598

95.8376, 0.3326,
0.3578

33.0624, 0.2324,
0.2375

98.0536, 0.3322,
0.3611

■ 27.4141, 0.2157,
0.2143

■ 22.5897, 0.2004,
0.1905

■ 18.5421, 0.1871,
0.1672

■ 15.2176, 0.1764,
0.1453

■ 12.5464, 0.1685,
0.1254

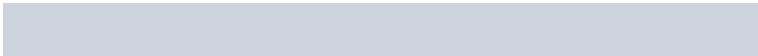
Harmonies

Analogous

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



64.6998, 0.2976, 0.3206



64.6998, 0.3002, 0.3165



64.6998, 0.3062, 0.3158

Triad

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



64.6998, 0.3002, 0.3165



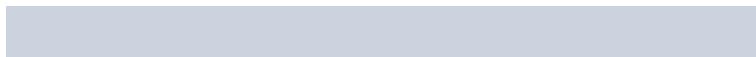
64.6998, 0.3267, 0.3308



64.6998, 0.3114, 0.3399

Complementary

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



64.6998, 0.3002, 0.3165



68.4411, 0.3255, 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.



64.6998, 0.3192, 0.3426



64.6998, 0.3002, 0.3165



64.6998, 0.3281, 0.3372

Square

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



64.6998, 0.3002, 0.3165



64.6998, 0.3215, 0.3240



64.6998, 0.3253, 0.3416



64.6998, 0.3040, 0.3341

Rectangle

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



64.6998, 0.3002, 0.3165



64.6998, 0.3113, 0.3173



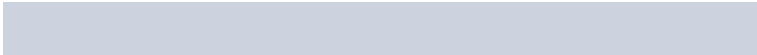
64.6998, 0.3253, 0.3416



64.6998, 0.3140, 0.3412

Sweetspot

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



64.7025, 0.3002, 0.3165



97.0840, 0.3097, 0.3260



69.9625, 0.3048, 0.3371



20.8106, 0.3098, 0.3262



0.0000, 0.0000, 0.0000



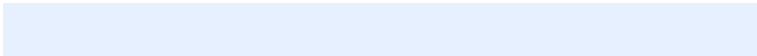
21.4041, 0.3127, 0.3290

Same Dimension

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



64.7025, 0.3002, 0.3165



85.9886, 0.2971, 0.3133



61.5170, 0.3015, 0.3084



14.1209, 0.2981, 0.3144



7.3918, 0.1680, 0.1246



0.6831, 0.1765, 0.1554

Inverse Universe

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



63.3906, 0.3215, 0.3212



83.8375, 0.3238, 0.3192



71.8407, 0.3234, 0.3490



13.7891, 0.3231, 0.3198



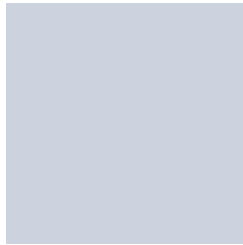
9.6542, 0.5401, 0.2749



0.6864, 0.4989, 0.2522

Previews

White Background



This preview shows how the Yxy color 64.6998, 0.3002, 0.3165 looks on a white background.

Color Contrast Check

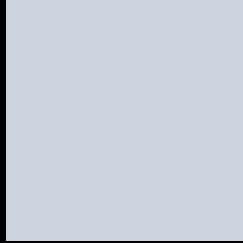
Large Text (above 18pt) WCAG AA × Fail

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 64.6998, 0.3002, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

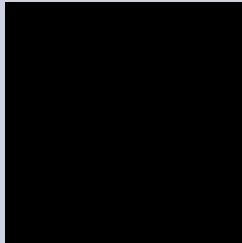
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6998, 0.3002, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 64.6998, 0.3002, 0.3165.

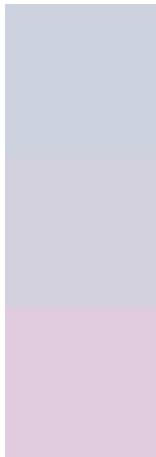


This preview shows how white text looks on a background with the Yxy color 64.6998, 0.3002, 0.3165.

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

64.6998, 0.3002, 0.3165

Protanopia

64.6703, 0.3060, 0.3155

Deuteranopia

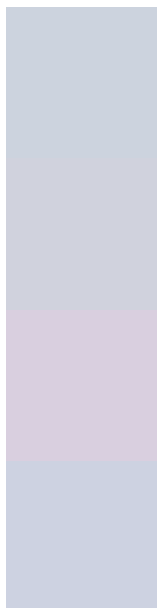
64.5210, 0.3152, 0.3083



Tritanopia

64.6184, 0.2977, 0.3098

Trichromacy



Original Color

64.6998, 0.3002, 0.3165

Protanomaly

64.7235, 0.3038, 0.3166

Deuteranomaly

64.7051, 0.3091, 0.3113

Tritanomaly

64.5086, 0.2990, 0.3120

Monochromacy



Original Color

64.6998, 0.3002, 0.3165

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.3581, 0.3085, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6998, 0.3002, 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(204, 211, 222)` looks like.

```
.text, #text, p{  
    color:rgb(204, 211, 222)  
}
```

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, 211, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 211, 222) }
```

Border

The CSS property to change the border of an element to Yxy 64.6998, 0.3002, 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(204, 211, 222) }
```

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

```
.border{ border-color:rgb(204, 211, 222) }
```

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

Here you see how a box with a 4 pixel rgb(204, 211, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 211, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 211, 222);  
box-shadow:4px 4px 4px 4px rgb(204, 211,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6998, 0.3002, 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(204, 211, 222) }
```

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

```
.background{ background-color: rgb(204,  
211, 222) }
```

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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