

Converting Colors

$Y_{xy}(65.4700, 0.2996, 0.3177)$

Have a look what the booklet for
Yxy(65.4700, 0.2996, 0.3177)
contains.

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Color

Yxy(65.7536, 0.2996, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	CCD5DF
RGB	204, 213, 223
RGB Percent	80%, 84%, 87%
CMY	0.1998, 0.1647, 0.1254
CMYK	0.09, 0.05, 0.00, 0.13
HSL	212°, 23%, 84%
HSV	212°, 9%, 87%
XYZ	62.0270, 65.7536, 79.2521
YIQ	211.4490, -8.5740, 1.2020

Conversions

Conversions Part 2

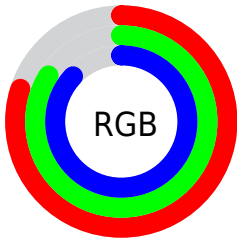
Format	Color
RYB	204, 210, 223
Decimal	13424095
CIELab	84.87, -1.09, -5.99
CIElCh	85, 6.090, 259.669
Yxy	65.7536, 0.2996, 0.3176
Android (android.graphics.Color)	4291614175 (0xFFCCD5DF)
YUV	211.4490, 5.6946, -6.5328
Hunter-Lab	81.0886, -5.3652, -1.1852

Details

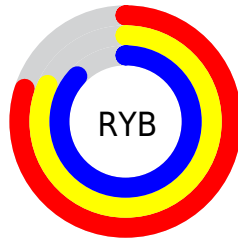
The Yxy color **65.7536, 0.2996, 0.3176** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.1887, 0.3263, 0.3401**, and the grayscale version is **65.4262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.7649, 0.2964, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **57.1081, 0.2836, 0.3028**, and if you desaturate by 10%, it is **75.2874, 0.3150, 0.3309**.

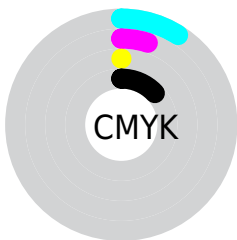
Distribution



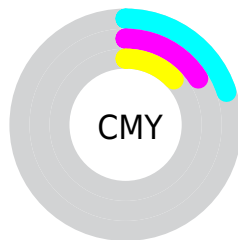
- Red (80%)
- Green (84%)
- Blue (87%)



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



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7536, 0.2996, 0.3176 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 65.7536, 0.2996, 0.3176 by changing the saturation by 10% instead.

■ 65.7536, 0.2996,
0.3176

■ 65.7536, 0.2996,
0.3176

445.4952, 0.3058,
0.3230

■ 48.0724, 0.2982,
0.3163

113.1326, 0.3018,
0.3195

■ 33.8842, 0.2964,
0.3148

143.5992, 0.3026,
0.3202

■ 22.8047, 0.2941,
0.3128

179.0964, 0.3033,
0.3208

■ 14.4493, 0.2911,
0.3101

220.0086, 0.3039,
0.3214

■ 8.4339, 0.2869,
0.3064

266.7202, 0.3045,
0.3219

■ 4.3738, 0.2807,
0.3009

319.6155, 0.3050,

■ 1.8848, 0.2706,

0.3223

0.2918

379.0791, 0.3054,
0.3227

0.5392, 0.2391,
0.2654

0.0000, 0.0000,
0.0000

65.7536, 0.2996,
0.3176

65.7536, 0.2996,
0.3176

57.1081, 0.2836,
0.3028

75.2874, 0.3150,
0.3309

49.3143, 0.2670,
0.2863

85.7280, 0.3295,
0.3427

42.3452, 0.2504,
0.2684

93.9511, 0.3324,
0.3539

36.1689, 0.2340,
0.2492

98.1091, 0.3315,
0.3601

■ 30.7512, 0.2185,
0.2289

■ 26.0547, 0.2044,
0.2082

■ 22.0378, 0.1921,
0.1875

■ 18.6532, 0.1823,
0.1676

■ 15.8351, 0.1750,
0.1489

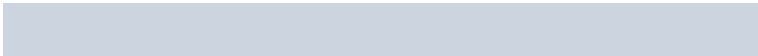
Harmonies

Analogous

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



65.7536, 0.2980, 0.3222



65.7536, 0.2996, 0.3176



65.7536, 0.3047, 0.3160

Triad

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



65.7536, 0.2996, 0.3176



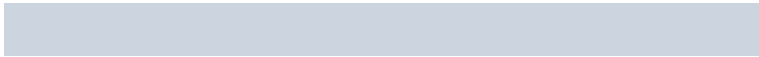
65.7536, 0.3253, 0.3290



65.7536, 0.3134, 0.3405

Complementary

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



65.7536, 0.2996, 0.3176



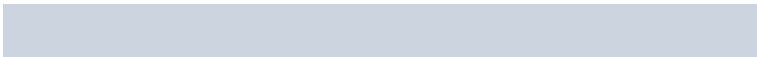
68.1887, 0.3263, 0.3401

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.



65.7536, 0.3207, 0.3423



65.7536, 0.2996, 0.3176



65.7536, 0.3276, 0.3355

Square

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



65.7536, 0.2996, 0.3176



65.7536, 0.3195, 0.3226



65.7536, 0.3260, 0.3404



65.7536, 0.3059, 0.3356

Rectangle

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



65.7536, 0.2996, 0.3176



65.7536, 0.3094, 0.3169



65.7536, 0.3260, 0.3404



65.7536, 0.3159, 0.3415

Sweetspot

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



65.7564, 0.2996, 0.3176



96.0240, 0.3081, 0.3251



70.4807, 0.3054, 0.3394



20.3297, 0.3069, 0.3240



0.0000, 0.0000, 0.0000



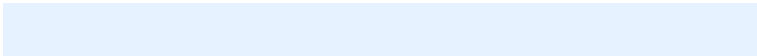
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7564, 0.2996, 0.3176



87.1770, 0.2971, 0.3154



61.4252, 0.2998, 0.3073



14.3031, 0.2981, 0.3163



9.3056, 0.1747, 0.1489



0.8232, 0.1827, 0.1779

Inverse Universe

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



63.7032, 0.3209, 0.3191



83.9575, 0.3225, 0.3173



72.7932, 0.3251, 0.3498



13.8075, 0.3219, 0.3180



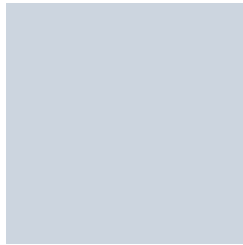
9.8475, 0.5073, 0.2568



0.7006, 0.4711, 0.2369

Previews

White Background



This preview shows how the Yxy color 65.7536, 0.2996, 0.3176 looks on a white background.

Color Contrast Check

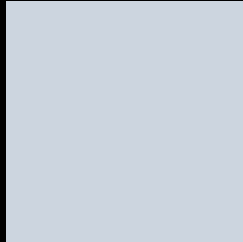
Large Text (above 18pt) WCAG AA × Fail

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 65.7536, 0.2996, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

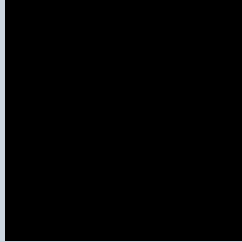
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

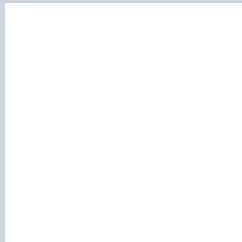
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.7536, 0.2996, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 65.7536, 0.2996, 0.3176.

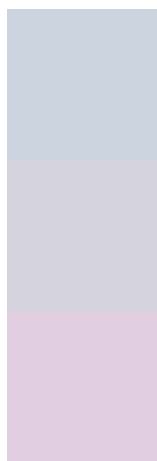


This preview shows how white text looks on a background with the Yxy color 65.7536, 0.2996, 0.3176.

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

65.7536, 0.2996, 0.3176

Protanopia

66.0086, 0.3067, 0.3167

Deuteranopia

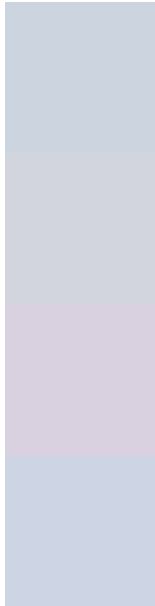
65.7476, 0.3144, 0.3084



Tritanopia

65.7232, 0.2964, 0.3099

Trichromacy



Original Color

65.7536, 0.2996, 0.3176

Protanomaly

66.0625, 0.3045, 0.3178

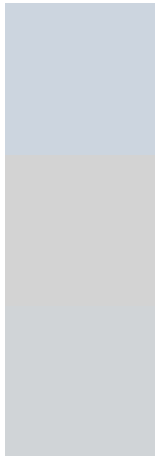
Deuteranomaly

65.8882, 0.3091, 0.3125

Tritanomaly

65.6122, 0.2977, 0.3121

Monochromacy



Original Color

65.7536, 0.2996, 0.3176

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.4032, 0.3078, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7536, 0.2996, 0.3176 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, 213, 223)` looks like.

```
.text, #text, p{  
    color:rgb(204, 213, 223)  
}
```

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, 213, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 213, 223) }
```

Border

The CSS property to change the border of an element to Yxy 65.7536, 0.2996, 0.3176 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, 213, 223) }
```

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

```
.border{ border-color:rgb(204, 213, 223) }
```

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

Here you see how a box with a 4 pixel rgb(204, 213, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 213, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 213, 223);  
box-shadow:4px 4px 4px 4px rgb(204, 213,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7536, 0.2996, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 213, 223) }
```

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

```
.background{ background-color: rgb(204,  
213, 223) }
```

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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