

Converting Colors

$Yxy(66.0909, 0.2933, 0.3128)$

Have a look what the booklet for
Yxy(66.0909, 0.2933, 0.3128)
contains.

Yxy(65.9739, 0.2936, 0.3131)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.9739, 0.2936, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	C8D6E4
RGB	200, 214, 228
RGB Percent	78%, 84%, 89%
CMY	0.2158, 0.1607, 0.1059
CMYK	0.12, 0.06, 0.00, 0.11
HSL	210°, 34%, 84%
HSV	210°, 12%, 89%
XYZ	61.8650, 65.9739, 82.8730
YIQ	211.4100, -12.8380, 1.3860

Conversions

Conversions Part 2

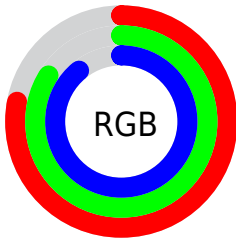
Format	Color
R _Y B	200, 209, 228
Decimal	13162212
CIE Lab	84.98, -1.96, -8.50
CIE LCh	85, 8.719, 257.042
Yxy	65.9739, 0.2936, 0.3131
Android (android.graphics.Color)	4291352292 (0xFFC8D6E4)
YUV	211.4100, 8.1789, -10.0066
Hunter-Lab	81.2243, -6.1869, -3.6364

Details

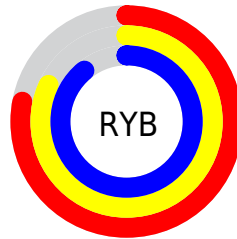
The Yxy color **65.9739, 0.2936, 0.3131** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.7414, 0.3330, 0.3444**, and the grayscale version is **65.3772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.9244, 0.2887, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **57.5058, 0.2774, 0.2985**, and if you desaturate by 10%, it is **75.3184, 0.3092, 0.3262**.

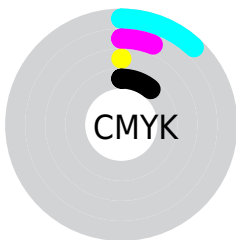
Distribution



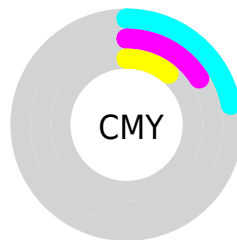
- Red (78%)
- Green (84%)
- Blue (89%)



- Red (78%)
- Yellow (82%)
- Blue (89%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9739, 0.2936, 0.3131 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 65.9739, 0.2936, 0.3131 by changing the saturation by 10% instead.

■ 65.9739, 0.2936,
0.3131

■ 65.9739, 0.2936,
0.3131

446.2835, 0.3026,
0.3206

■ 48.2512, 0.2915,
0.3113

113.4489, 0.2967,
0.3157

■ 34.0259, 0.2889,
0.3092

143.9699, 0.2979,
0.3168

■ 22.9135, 0.2856,
0.3064

179.5259, 0.2990,
0.3176

■ 14.5296, 0.2813,
0.3027

220.5013, 0.2999,
0.3184

■ 8.4899, 0.2753,
0.2975

267.2803, 0.3007,
0.3190

■ 4.4100, 0.2665,
0.2899

320.2474, 0.3014,

■ 1.9055, 0.2523,

0.3196

0.2774

379.7870, 0.3020,
0.3201

0.5517, 0.2126,
0.2461

0.0000, 0.0000,
0.0000

65.9739, 0.2936,
0.3131

65.9739, 0.2936,
0.3131

57.5058, 0.2774,
0.2985

75.3184, 0.3092,
0.3262

49.8769, 0.2610,
0.2825

85.5582, 0.3241,
0.3379

43.0594, 0.2447,
0.2651

94.0956, 0.3293,
0.3487

37.0205, 0.2290,
0.2466

98.3816, 0.3286,
0.3552

■ 31.7246, 0.2143,
0.2273

■ 27.1327, 0.2012,
0.2076

■ 23.2009, 0.1903,
0.1882

■ 19.8780, 0.1817,
0.1694

■ 17.6741, 0.1766,
0.1558

Harmonies

Analogous

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



65.9739, 0.2919, 0.3200



65.9739, 0.2936, 0.3131



65.9739, 0.3004, 0.3105

Triad

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



65.9739, 0.2936, 0.3131



65.9739, 0.3301, 0.3281



65.9739, 0.3146, 0.3460

Complementary

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



65.9739, 0.2936, 0.3131



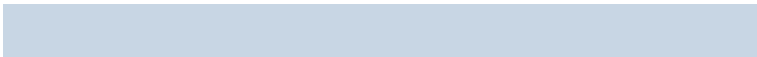
68.7414, 0.3330, 0.3444

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.



65.9739, 0.3250, 0.3480



65.9739, 0.2936, 0.3131



65.9739, 0.3341, 0.3375

Square

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



65.9739, 0.2936, 0.3131



65.9739, 0.3215, 0.3192



65.9739, 0.3321, 0.3448



65.9739, 0.3039, 0.3392

Rectangle

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



65.9739, 0.2936, 0.3131



65.9739, 0.3069, 0.3115



65.9739, 0.3321, 0.3448



65.9739, 0.3182, 0.3472

Sweetspot

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



65.9767, 0.2936, 0.3131



94.9102, 0.3066, 0.3240



72.5952, 0.3028, 0.3454



20.1143, 0.3054, 0.3231



0.0000, 0.0000, 0.0000



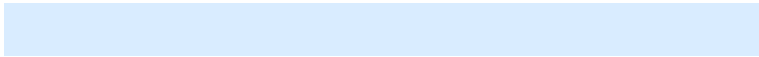
21.4041, 0.3127, 0.3290

Same Dimension

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



65.9767, 0.2936, 0.3131



81.8685, 0.2891, 0.3092



59.3933, 0.2932, 0.2973



15.0736, 0.2981, 0.3170



10.4427, 0.1774, 0.1584



0.9575, 0.1847, 0.1848

Inverse Universe

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



62.6486, 0.3243, 0.3137



76.8074, 0.3274, 0.3100



75.8949, 0.3311, 0.3588



14.4878, 0.3214, 0.3173



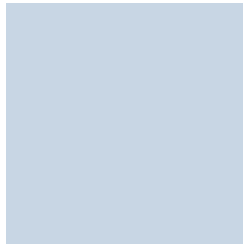
10.2519, 0.4951, 0.2501



0.7763, 0.4628, 0.2323

Previews

White Background



This preview shows how the Yxy color 65.9739, 0.2936, 0.3131 looks on a white background.

Color Contrast Check

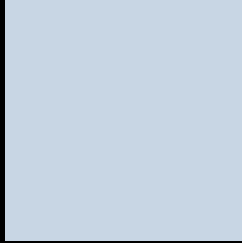
Large Text (above 18pt) WCAG AA × Fail

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 65.9739, 0.2936, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

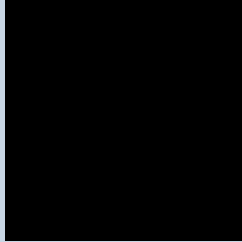
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

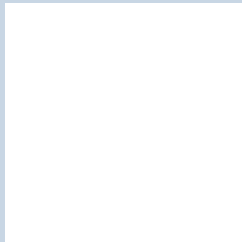
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.9739, 0.2936, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 65.9739, 0.2936, 0.3131.

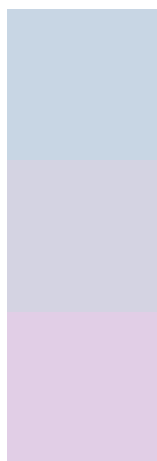


This preview shows how white text looks on a background with the Yxy color 65.9739, 0.2936, 0.3131.

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

65.9739, 0.2936, 0.3131

Protanopia

66.0766, 0.3033, 0.3123

Deuteranopia

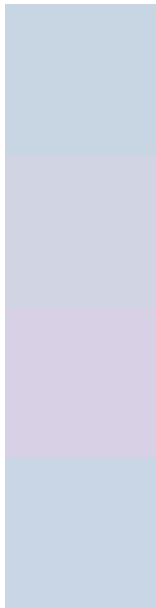
65.8633, 0.3102, 0.3031



Tritanopia

66.1420, 0.2917, 0.3098

Trichromacy



Original Color

65.9739, 0.2936, 0.3131

Protanomaly

66.0429, 0.2998, 0.3122

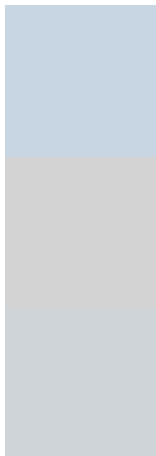
Deuteranomaly

65.8570, 0.3042, 0.3070

Tritanomaly

66.0857, 0.2924, 0.3109

Monochromacy



Original Color

65.9739, 0.2936, 0.3131

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.3621, 0.3057, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9739, 0.2936, 0.3131 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(200, 214, 228)` looks like.

```
.text, #text, p{  
    color:rgb(200, 214, 228)  
}
```

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(200, 214, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 214, 228) }
```

Border

The CSS property to change the border of an element to Yxy 65.9739, 0.2936, 0.3131 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(200, 214, 228) }
```

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

```
.border{ border-color:rgb(200, 214, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 214, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 214, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 214, 228);  
box-shadow:4px 4px 4px 4px rgb(200, 214,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9739, 0.2936, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 214, 228) }
```

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

```
.background{ background-color: rgb(200,  
214, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor