

Converting Colors

$Yxy(69.6512, 0.2928, 0.3172)$

Have a look what the booklet for
Yxy(69.6512, 0.2928, 0.3172)
contains.

Yxy(69.3734, 0.2926, 0.3166)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.3734, 0.2926, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	C9DCE7
RGB	201, 220, 231
RGB Percent	79%, 86%, 91%
CMY	0.2116, 0.1373, 0.0940
CMYK	0.13, 0.05, 0.00, 0.09
HSL	202°, 38%, 85%
HSV	202°, 13%, 91%
XYZ	64.1145, 69.3734, 85.6321
YIQ	215.5730, -14.8550, -0.6070

Conversions

Conversions Part 2

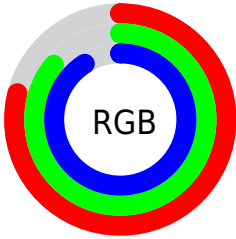
Format	Color
R _Y B	201, 213, 231
Decimal	13229287
CIE Lab	86.69, -4.12, -7.56
CIE LCh	87, 8.609, 241.431
Yxy	69.3734, 0.2926, 0.3166
Android (android.graphics.Color)	4291419367 (0xFFC9DCE7)
YUV	215.5730, 7.6055, -12.7805
Hunter-Lab	83.2907, -8.3551, -2.6532

Details

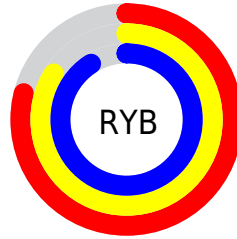
The Yxy color **69.3734, 0.2926, 0.3166** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.3361, 0.3348, 0.3411**, and the grayscale version is **68.3251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.2085, 0.2883, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **62.0614, 0.2769, 0.3059**, and if you desaturate by 10%, it is **77.3997, 0.3081, 0.3263**.

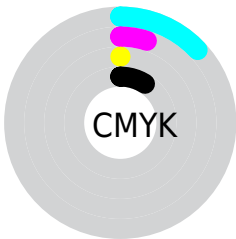
Distribution



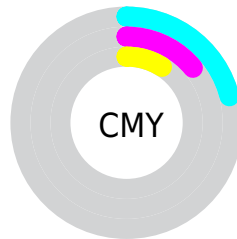
- Red (79%)
- Green (86%)
- Blue (91%)



- Red (79%)
- Yellow (84%)
- Blue (91%)



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



- Cyan (21%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3734, 0.2926, 0.3166 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 69.3734, 0.2926, 0.3166 by changing the saturation by 10% instead.

■ 69.3734, 0.2926,
0.3166

■ 69.3734, 0.2926,
0.3166

458.3468, 0.3019,
0.3224

■ 51.0159, 0.2905,
0.3152

118.3147, 0.2958,
0.3186

■ 36.2212, 0.2878,
0.3135

149.6673, 0.2971,
0.3194

■ 24.6051, 0.2844,
0.3114

186.1204, 0.2982,
0.3201

■ 15.7831, 0.2800,
0.3085

228.0584, 0.2991,
0.3207

■ 9.3708, 0.2740,
0.3045

275.8656, 0.3000,
0.3212

■ 4.9838, 0.2652,
0.2987

329.9265, 0.3007,

■ 2.2378, 0.2515,

0.3217

0.2892

390.6254, 0.3014,
0.3221

0.7405, 0.2211,
0.2714

0.0000, 0.0000,
0.0000

69.3734, 0.2926,
0.3166

69.3734, 0.2926,
0.3166

62.0614, 0.2769,
0.3059

77.3997, 0.3081,
0.3263

55.4303, 0.2615,
0.2942

86.1549, 0.3233,
0.3350

49.4564, 0.2465,
0.2816

92.6364, 0.3277,
0.3432

44.1113, 0.2325,
0.2682

97.9129, 0.3269,
0.3513

■ 39.3638, 0.2199,
0.2542

■ 98.5511, 0.3268,
0.3522

■ 35.1794, 0.2089,
0.2400

■ 31.5185, 0.2000,
0.2256

■ 28.3341, 0.1932,
0.2116

■ 26.3338, 0.1894,
0.2019

Harmonies

Analogous

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



69.3734, 0.2937, 0.3249



69.3734, 0.2926, 0.3166



69.3734, 0.2968, 0.3118

Triad

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



69.3734, 0.2926, 0.3166



69.3734, 0.3257, 0.3234



69.3734, 0.3200, 0.3471

Complementary

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



69.3734, 0.2926, 0.3166



68.3361, 0.3348, 0.3411

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.



69.3734, 0.3288, 0.3464



69.3734, 0.2926, 0.3166



69.3734, 0.3321, 0.3326

Square

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



69.3734, 0.2926, 0.3166



69.3734, 0.3158, 0.3158



69.3734, 0.3333, 0.3410



69.3734, 0.3094, 0.3428

Rectangle

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



69.3734, 0.2926, 0.3166



69.3734, 0.3020, 0.3111



69.3734, 0.3333, 0.3410



69.3734, 0.3233, 0.3475

Sweetspot

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



69.3763, 0.2926, 0.3166



95.7451, 0.3065, 0.3253



74.3454, 0.3043, 0.3504



20.3257, 0.3054, 0.3246



0.0000, 0.0000, 0.0000



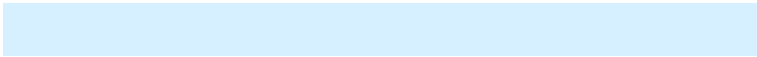
21.4041, 0.3127, 0.3290

Same Dimension

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



69.3763, 0.2926, 0.3166



83.8586, 0.2877, 0.3134



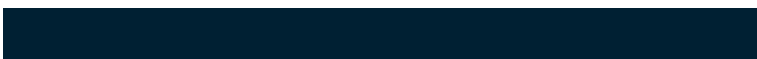
61.8740, 0.2922, 0.2995



15.3979, 0.2981, 0.3201



15.0039, 0.1900, 0.2041



1.2847, 0.1957, 0.2244

Inverse Universe

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



63.9514, 0.3222, 0.3086



75.7449, 0.3248, 0.3035



76.1666, 0.3327, 0.3569



14.5205, 0.3194, 0.3143



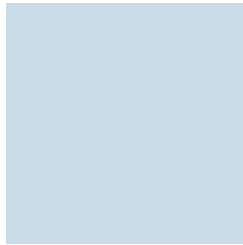
10.7124, 0.4407, 0.2201



0.8094, 0.4186, 0.2080

Previews

White Background



This preview shows how the Yxy color 69.3734, 0.2926, 0.3166 looks on a white background.

Color Contrast Check

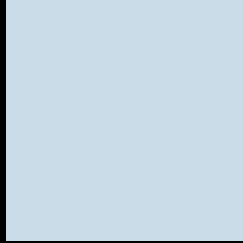
Large Text (above 18pt) WCAG AA × Fail

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 69.3734, 0.2926, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

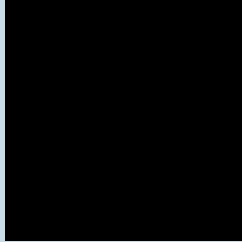
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

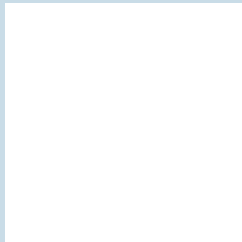
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.3734, 0.2926, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 69.3734, 0.2926, 0.3166.

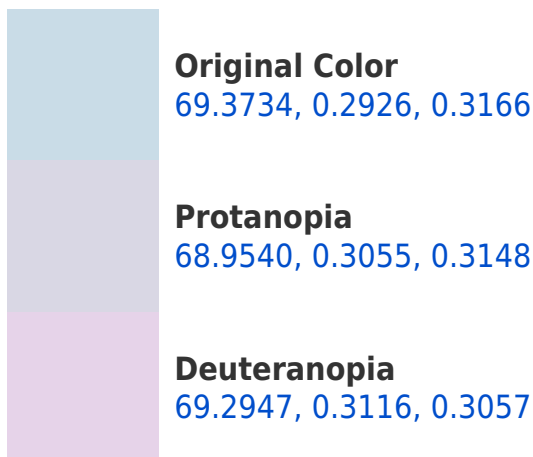


This preview shows how white text looks on a background with the Yxy color 69.3734, 0.2926, 0.3166.

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

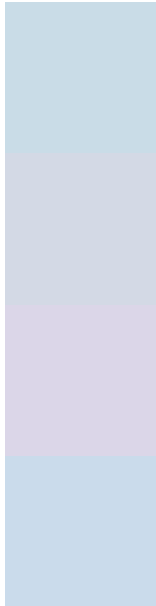




Tritanopia

69.3340, 0.2896, 0.3090

Trichromacy



Original Color

69.3734, 0.2926, 0.3166

Protanomaly

69.1317, 0.3006, 0.3157

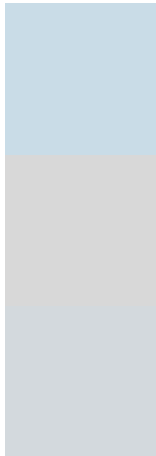
Deuteranomaly

68.9794, 0.3043, 0.3095

Tritanomaly

69.2178, 0.2908, 0.3112

Monochromacy



Original Color

69.3734, 0.2926, 0.3166

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.6951, 0.3058, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3734, 0.2926, 0.3166 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(201, 220, 231)` looks like.

```
.text, #text, p{  
    color:rgb(201, 220, 231)  
}
```

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(201, 220, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 220, 231) }
```

Border

The CSS property to change the border of an element to Yxy 69.3734, 0.2926, 0.3166 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(201, 220, 231) }
```

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

```
.border{ border-color:rgb(201, 220, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 220, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 220, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 220, 231);  
box-shadow:4px 4px 4px 4px rgb(201, 220,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3734, 0.2926, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 220, 231) }
```

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

```
.background{ background-color: rgb(201,  
220, 231) }
```

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