

Converting Colors

$Yxy(67.8193, 0.2885, 0.3130)$

Have a look what the booklet for
Yxy(67.8193, 0.2885, 0.3130)
contains.

Yxy(67.7048, 0.2886, 0.3131)	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(67.7048, 0.2886, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	C4DAE8
RGB	196, 218, 232
RGB Percent	77%, 85%, 91%
CMY	0.2313, 0.1451, 0.0902
CMYK	0.16, 0.06, 0.00, 0.09
HSL	203°, 44%, 84%
HSV	203°, 16%, 91%
XYZ	62.4069, 67.7048, 86.1285
YIQ	213.0180, -17.6060, -0.3100

Conversions

Conversions Part 2

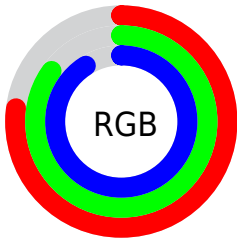
Format	Color
R _Y B	196, 210, 232
Decimal	12901096
CIE Lab	85.86, -4.47, -9.35
CIE LCh	86, 10.360, 244.456
Yxy	67.7048, 0.2886, 0.3131
Android (android.graphics.Color)	4291091176 (0xFFC4DAE8)
YUV	213.0180, 9.3581, -14.9248
Hunter-Lab	82.2829, -8.6130, -4.4629

Details

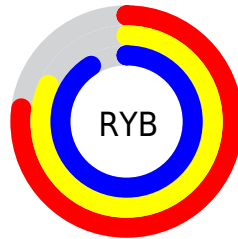
The Yxy color **67.7048, 0.2886, 0.3131** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.2541, 0.3395, 0.3444**, and the grayscale version is **66.5016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **35.0798, 0.2832, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **60.2746, 0.2729, 0.3015**, and if you desaturate by 10%, it is **75.8771, 0.3042, 0.3237**.

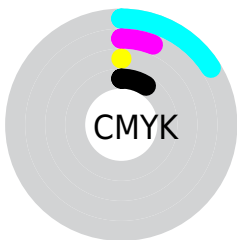
Distribution



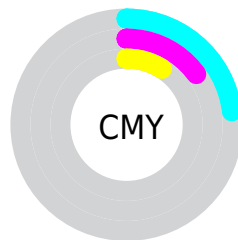
- Red (77%)
- Green (85%)
- Blue (91%)



- Red (77%)
- Yellow (82%)
- Blue (91%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (23%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7048, 0.2886, 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 67.7048, 0.2886, 0.3131 by changing the saturation by 10% instead.

■ 67.7048, 0.2886,
0.3131

■ 67.7048, 0.2886,
0.3131

452.4494, 0.2998,
0.3206

■ 49.6576, 0.2860,
0.3113

115.9297, 0.2925,
0.3157

■ 35.1414, 0.2828,
0.3092

146.8763, 0.2940,
0.3168

■ 23.7718, 0.2788,
0.3063

182.8914, 0.2953,
0.3176

■ 15.1645, 0.2734,
0.3026

224.3595, 0.2965,
0.3184

■ 8.9349, 0.2661,
0.2975

271.6649, 0.2975,
0.3191

■ 4.6987, 0.2555,
0.2898

325.1921, 0.2983,

■ 2.0716, 0.2387,

0.3196

0.2774

385.3255, 0.2991,
0.3202

0.6486, 0.1973,
0.2521

0.0000, 0.0000,
0.0000

67.7048, 0.2886,
0.3131

67.7048, 0.2886,
0.3131

60.2746, 0.2729,
0.3015

75.8771, 0.3042,
0.3237

53.5520, 0.2573,
0.2888

84.8075, 0.3195,
0.3331

47.5119, 0.2423,
0.2752

92.4507, 0.3272,
0.3418

42.1242, 0.2283,
0.2608

98.0534, 0.3263,
0.3504

■ 37.3560, 0.2157,
0.2458

■ 98.6067, 0.3262,
0.3513

■ 33.1704, 0.2050,
0.2306

■ 29.5252, 0.1962,
0.2154

■ 26.3695, 0.1897,
0.2006

■ 25.0767, 0.1873,
0.1941

Harmonies

Analogous

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



67.7048, 0.2893, 0.3228



67.7048, 0.2886, 0.3131



67.7048, 0.2942, 0.3079

Triad

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



67.7048, 0.2886, 0.3131



67.7048, 0.3295, 0.3233



67.7048, 0.3203, 0.3508

Complementary

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



67.7048, 0.2886, 0.3131



67.2541, 0.3395, 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.



67.7048, 0.3313, 0.3505



67.7048, 0.2886, 0.3131



67.7048, 0.3368, 0.3344

Square

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



67.7048, 0.2886, 0.3131



67.7048, 0.3177, 0.3138



67.7048, 0.3374, 0.3444



67.7048, 0.3074, 0.3450

Rectangle

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



67.7048, 0.2886, 0.3131



67.7048, 0.3009, 0.3075



67.7048, 0.3374, 0.3444



67.7048, 0.3243, 0.3514

Sweetspot

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



67.7076, 0.2886, 0.3131



94.5350, 0.3050, 0.3241



74.1012, 0.3023, 0.3543



20.0741, 0.3039, 0.3234



0.0000, 0.0000, 0.0000



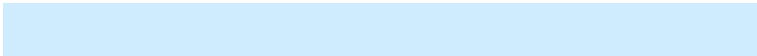
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7076, 0.2886, 0.3131



80.4900, 0.2829, 0.3091



58.9773, 0.2878, 0.2924



15.3448, 0.2981, 0.3196



14.1721, 0.1879, 0.1965



1.2265, 0.1939, 0.2179

Inverse Universe

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



61.7099, 0.3249, 0.3052



71.7320, 0.3282, 0.2995



76.5265, 0.3366, 0.3631



14.5152, 0.3197, 0.3147



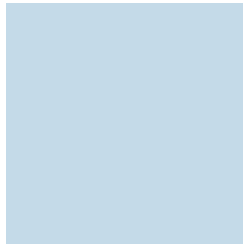
10.6284, 0.4493, 0.2249



0.8035, 0.4255, 0.2118

Previews

White Background



This preview shows how the Yxy color 67.7048, 0.2886, 0.3131 looks on a white background.

Color Contrast Check

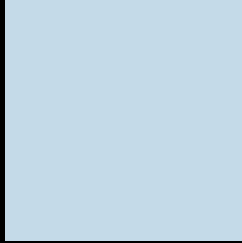
Large Text (above 18pt) WCAG AA × Fail

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 67.7048, 0.2886, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

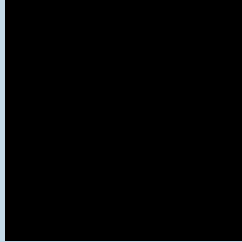
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

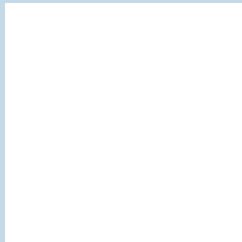
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7048, 0.2886, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 67.7048, 0.2886, 0.3131.

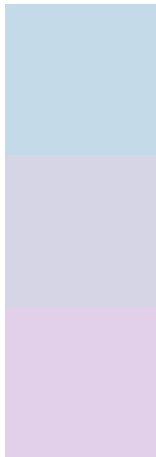


This preview shows how white text looks on a background with the Yxy color 67.7048, 0.2886, 0.3131.

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

67.7048, 0.2886, 0.3131

Protanopia

67.5418, 0.3027, 0.3114

Deuteranopia

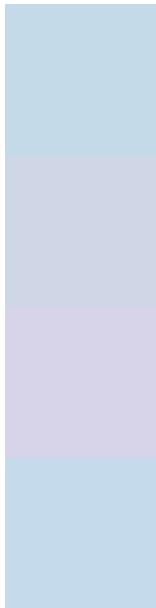
67.2210, 0.3081, 0.3012



Tritanopia

68.0113, 0.2874, 0.3098

Trichromacy



Original Color

67.7048, 0.2886, 0.3131

Protanomaly

67.5794, 0.2972, 0.3123

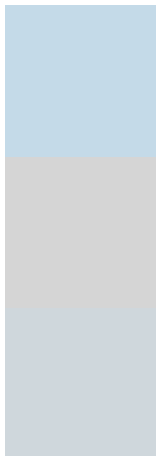
Deuteranomaly

67.4172, 0.3008, 0.3060

Tritanomaly

67.9536, 0.2880, 0.3109

Monochromacy



Original Color

67.7048, 0.2886, 0.3131

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.0336, 0.3036, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7048, 0.2886, 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(196, 218, 232)` looks like.

```
.text, #text, p{  
    color:rgb(196, 218, 232)  
}
```

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(196, 218, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 218, 232) }
```

Border

The CSS property to change the border of an element to Yxy 67.7048, 0.2886, 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(196, 218, 232) }
```

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

```
.border{ border-color:rgb(196, 218, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 218, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 218, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 218, 232);  
box-shadow:4px 4px 4px 4px rgb(196, 218,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7048, 0.2886, 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(196, 218, 232) }
```

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

```
.background{ background-color: rgb(196,  
218, 232) }
```

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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