

Converting Colors

$Yxy(67.8127, 0.2908, 0.3086)$

Have a look what the booklet for
Yxy(67.8127, 0.2908, 0.3086)
contains.

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Color

Yxy(67.6664, 0.2907, 0.3078)

Conversions

Conversions Part 1

Format	Color
Hex	CAD8EB
RGB	202, 216, 235
RGB Percent	79%, 85%, 92%
CMY	0.2078, 0.1529, 0.0786
CMYK	0.14, 0.08, 0.00, 0.08
HSL	215°, 45%, 86%
HSV	215°, 14%, 92%
XYZ	63.9072, 67.6664, 88.2653
YIQ	213.9800, -14.4430, 2.9410

Conversions

Conversions Part 2

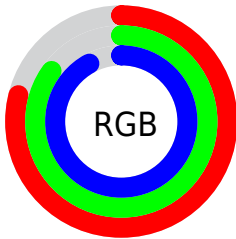
Format	Color
R _Y B	202, 212, 235
Decimal	13293803
CIE Lab	85.84, -0.93, -10.90
CIE LCh	86, 10.938, 265.125
Yxy	67.6664, 0.2907, 0.3078
Android (android.graphics.Color)	4291483883 (0xFFCAD8EB)
YUV	213.9800, 10.3629, -10.5065
Hunter-Lab	82.2596, -5.2783, -6.0370

Details

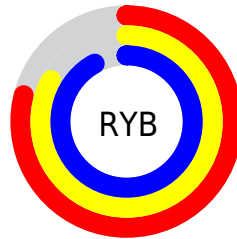
The Yxy color **67.6664, 0.2907, 0.3078** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.6237, 0.3358, 0.3493**, and the grayscale version is **67.1693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.0403, 0.2858, 0.3026** is the 20% darker color. If you saturate the color by 10%, you get **57.9908, 0.2741, 0.2906**, and if you desaturate by 10%, it is **78.4168, 0.3066, 0.3233**.

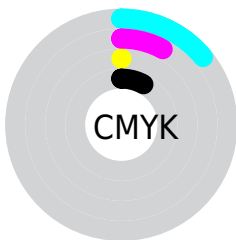
Distribution



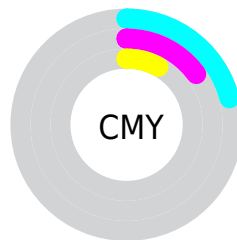
- Red (79%)
- Green (85%)
- Blue (92%)



- Red (79%)
- Yellow (83%)
- Blue (92%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)



- Cyan (21%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6664, 0.2907, 0.3078 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 67.6664, 0.2907, 0.3078 by changing the saturation by 10% instead.

■ 67.6664, 0.2907,
0.3078

■ 67.6664, 0.2907,
0.3078

452.3131, 0.3010,
0.3177

■ 49.6264, 0.2883,
0.3055

115.8748, 0.2943,
0.3113

■ 35.1166, 0.2854,
0.3027

146.8119, 0.2957,
0.3126

■ 23.7527, 0.2817,
0.2990

182.8169, 0.2969,
0.3138

■ 15.1503, 0.2768,
0.2942

224.2741, 0.2979,
0.3148

■ 8.9249, 0.2700,
0.2877

271.5680, 0.2988,
0.3156

■ 4.6923, 0.2602,
0.2780

325.0828, 0.2996,

■ 2.0679, 0.2447,

0.3164

0.2628

385.2031, 0.3003,
0.3171

0.6465, 0.2116,
0.2312

0.0000, 0.0000,
0.0000

67.6664, 0.2907,
0.3078

67.6664, 0.2907,
0.3078

57.9908, 0.2741,
0.2906

78.4168, 0.3066,
0.3233

49.3456, 0.2570,
0.2716

90.2678, 0.3215,
0.3370

41.6949, 0.2400,
0.2511

98.7764, 0.3244,
0.3483

34.9979, 0.2233,
0.2293

■ 29.2100, 0.2078,
0.2068

■ 24.2824, 0.1940,
0.1843

■ 20.1602, 0.1826,
0.1625

■ 16.7795, 0.1738,
0.1422

■ 15.0630, 0.1697,
0.1309

Harmonies

Analogous

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



67.6664, 0.2868, 0.3150



67.6664, 0.2907, 0.3078



67.6664, 0.3005, 0.3063

Triad

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



67.6664, 0.2907, 0.3078



67.6664, 0.3364, 0.3310



67.6664, 0.3113, 0.3484

Complementary

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



67.6664, 0.2907, 0.3078



73.6237, 0.3358, 0.3493

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.



67.6664, 0.3247, 0.3527



67.6664, 0.2907, 0.3078



67.6664, 0.3394, 0.3422

Square

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



67.6664, 0.2907, 0.3078



67.6664, 0.3269, 0.3196



67.6664, 0.3350, 0.3503



67.6664, 0.2985, 0.3386

Rectangle

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



67.6664, 0.2907, 0.3078



67.6664, 0.3091, 0.3086



67.6664, 0.3350, 0.3503



67.6664, 0.3159, 0.3506

Sweetspot

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



67.6692, 0.2907, 0.3078



94.4284, 0.3066, 0.3233



77.1614, 0.2997, 0.3448



19.9924, 0.3054, 0.3222



0.0000, 0.0000, 0.0000



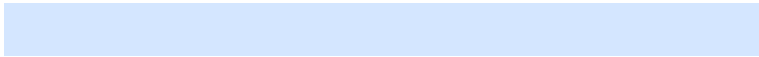
21.4041, 0.3127, 0.3290

Same Dimension

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



67.6692, 0.2907, 0.3078



77.7884, 0.2857, 0.3027



61.1117, 0.2918, 0.2919



15.6002, 0.2980, 0.3151



8.6266, 0.1705, 0.1339



0.8644, 0.1780, 0.1609

Inverse Universe

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



64.8630, 0.3281, 0.3140



73.8883, 0.3320, 0.3106



80.9491, 0.3322, 0.3639



15.1602, 0.3226, 0.3190



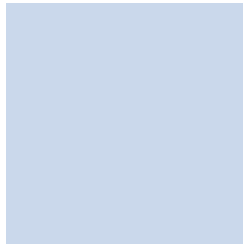
10.3637, 0.5274, 0.2679



0.8327, 0.4920, 0.2484

Previews

White Background



This preview shows how the Yxy color 67.6664, 0.2907, 0.3078 looks on a white background.

Color Contrast Check

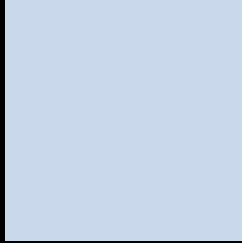
Large Text (above 18pt) WCAG AA × Fail

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 67.6664, 0.2907, 0.3078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

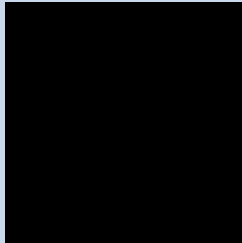
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

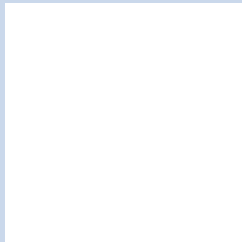
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6664, 0.2907, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 67.6664, 0.2907, 0.3078.



This preview shows how white text looks on a background with the Yxy color 67.6664, 0.2907, 0.3078.

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

67.6664, 0.2907, 0.3078

Protanopia

67.6178, 0.2994, 0.3070

Deuteranopia

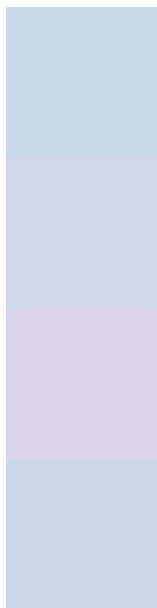
67.6646, 0.3060, 0.3001



Tritanopia

67.5515, 0.2919, 0.3099

Trichromacy



Original Color

67.6664, 0.2907, 0.3078

Protanomaly

67.5890, 0.2960, 0.3069

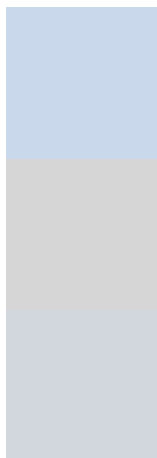
Deuteranomaly

67.8948, 0.3003, 0.3030

Tritanomaly

67.6088, 0.2913, 0.3089

Monochromacy



Original Color

67.6664, 0.2907, 0.3078

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.5764, 0.3045, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6664, 0.2907, 0.3078 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(202, 216, 235)` looks like.

```
.text, #text, p{  
    color:rgb(202, 216, 235)  
}
```

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(202, 216, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 216, 235) }
```

Border

The CSS property to change the border of an element to Yxy 67.6664, 0.2907, 0.3078 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(202, 216, 235) }
```

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

```
.border{ border-color:rgb(202, 216, 235) }
```

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

Here you see how a box with a 4 pixel rgb(202, 216, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 216, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 216, 235);  
box-shadow:4px 4px 4px 4px rgb(202, 216,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6664, 0.2907, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 216, 235) }
```

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

```
.background{ background-color: rgb(202,  
216, 235) }
```

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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