

Converting Colors

Yxy(67.6605, 0.2844, 0.3160)

Have a look what the booklet for
Yxy(67.6605, 0.2844, 0.3160)
contains.

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Color

Yxy(67.7747, 0.2847, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	BDDCE7
RGB	189, 220, 231
RGB Percent	74%, 86%, 91%
CMY	0.2589, 0.1372, 0.0940
CMYK	0.18, 0.05, 0.00, 0.09
HSL	196°, 47%, 82%
HSV	196°, 18%, 91%
XYZ	61.0037, 67.7747, 85.4951
YIQ	211.9850, -22.0070, -3.1510

Conversions

Conversions Part 2

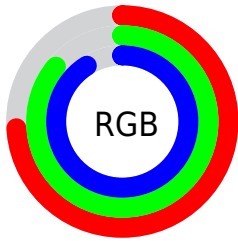
Format	Color
RYB	189, 207, 231
Decimal	12442855
CIELab	85.89, -7.90, -8.83
CIELCh	86, 11.851, 228.189
Yxy	67.7747, 0.2847, 0.3163
Android (android.graphics.Color)	4290632935 (0xFFBDDCE7)
YUV	211.9850, 9.3744, -20.1578
Hunter-Lab	82.3254, -11.7998, -3.9450

Details

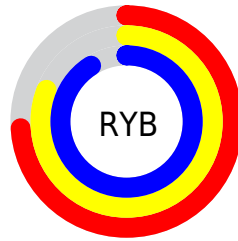
The Yxy color **67.7747, 0.2847, 0.3163** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.9840, 0.3459, 0.3414**, and the grayscale version is **65.7760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **35.1563, 0.2783, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **61.9306, 0.2697, 0.3084**, and if you desaturate by 10%, it is **74.2103, 0.3001, 0.3236**.

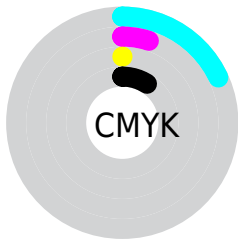
Distribution



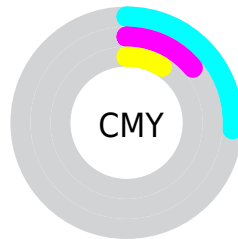
- Red (74%)
- Green (86%)
- Blue (91%)



- Red (74%)
- Yellow (81%)
- Blue (91%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (26%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7747, 0.2847, 0.3163 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 67.7747, 0.2847, 0.3163 by changing the saturation by 10% instead.

■ 67.7747, 0.2847,
0.3163

■ 67.7747, 0.2847,
0.3163

452.6974, 0.2977,
0.3224

■ 49.7145, 0.2817,
0.3149

■ 116.0298, 0.2892,
0.3185

■ 35.1866, 0.2780,
0.3131

146.9934, 0.2910,
0.3193

■ 23.8066, 0.2733,
0.3107

183.0270, 0.2925,
0.3200

■ 15.1902, 0.2672,
0.3076

224.5148, 0.2938,
0.3206

■ 8.9530, 0.2588,
0.3033

271.8414, 0.2950,
0.3211

■ 4.7105, 0.2466,
0.2967

325.3911, 0.2960,

■ 2.0784, 0.2275,

0.3216

0.2859

385.5483, 0.2969,
0.3220

0.6525, 0.1740,
0.2657

0.0000, 0.0000,
0.0000

67.7747, 0.2847,
0.3163

67.7747, 0.2847,
0.3163

61.9306, 0.2697,
0.3084

74.2103, 0.3001,
0.3236

56.6463, 0.2554,
0.2999

81.2511, 0.3155,
0.3301

51.8992, 0.2421,
0.2908

88.2904, 0.3285,
0.3361

47.6619, 0.2302,
0.2813

91.8831, 0.3279,
0.3420

■ 43.9038, 0.2199,
0.2715

■ 95.5957, 0.3272,
0.3478

■ 40.5906, 0.2116,
0.2616

■ 98.5517, 0.3267,
0.3522

■ 37.6818, 0.2053,
0.2517

■ 35.1205, 0.2008,
0.2420

■ 34.6823, 0.2001,
0.2402

Harmonies

Analogous

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



67.7747, 0.2894, 0.3291



67.7747, 0.2847, 0.3163



67.7747, 0.2873, 0.3073

Triad

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



67.7747, 0.2847, 0.3163



67.7747, 0.3250, 0.3162



67.7747, 0.3287, 0.3547

Complementary

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



67.7747, 0.2847, 0.3163



61.9840, 0.3459, 0.3414

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.



67.7747, 0.3387, 0.3505



67.7747, 0.2847, 0.3163



67.7747, 0.3366, 0.3282

Square

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



67.7747, 0.2847, 0.3163



67.7747, 0.3103, 0.3076



67.7747, 0.3416, 0.3407



67.7747, 0.3146, 0.3518

Rectangle

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



67.7747, 0.2847, 0.3163



67.7747, 0.2928, 0.3046



67.7747, 0.3416, 0.3407



67.7747, 0.3326, 0.3540

Sweetspot

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



67.7775, 0.2847, 0.3163



95.5460, 0.3050, 0.3257



72.1364, 0.3040, 0.3659



20.3201, 0.3039, 0.3252



0.0000, 0.0000, 0.0000



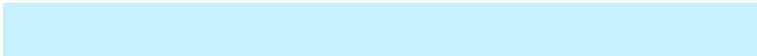
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7775, 0.2847, 0.3163



81.8354, 0.2788, 0.3133



57.6637, 0.2834, 0.2921



15.6629, 0.2981, 0.3227



19.6486, 0.2005, 0.2418



1.6011, 0.2045, 0.2560

Inverse Universe

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



58.5503, 0.3232, 0.2953



68.3690, 0.3259, 0.2878



72.1306, 0.3420, 0.3634



14.5473, 0.3178, 0.3118



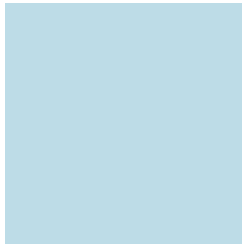
11.1813, 0.4005, 0.1980



0.8413, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 67.7747, 0.2847, 0.3163 looks on a white background.

Color Contrast Check

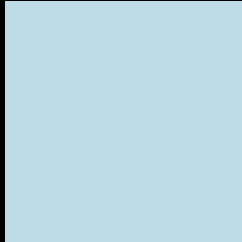
Large Text (above 18pt) WCAG AA × Fail

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 67.7747, 0.2847, 0.3163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

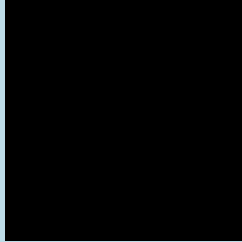
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

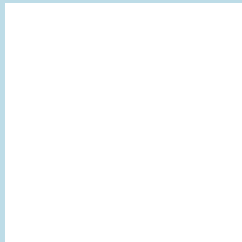
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7747, 0.2847, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 67.7747, 0.2847, 0.3163.

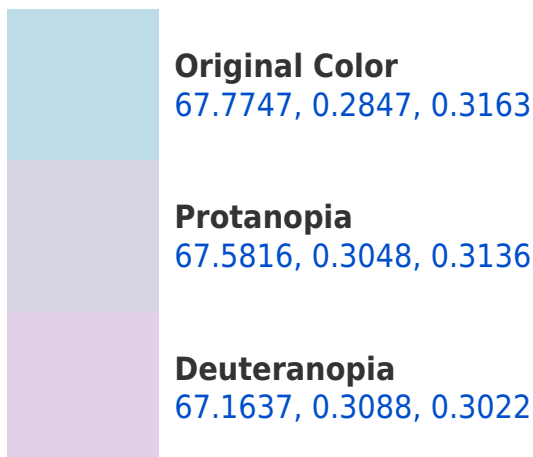


This preview shows how white text looks on a background with the Yxy color 67.7747, 0.2847, 0.3163.

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

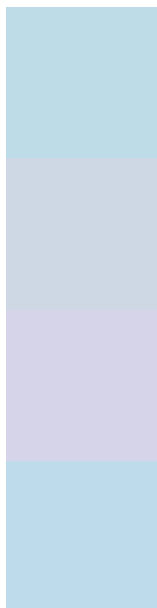




Tritanopia

67.7246, 0.2818, 0.3085

Trichromacy



Original Color

67.7747, 0.2847, 0.3163

Protanomaly

67.8350, 0.2978, 0.3156

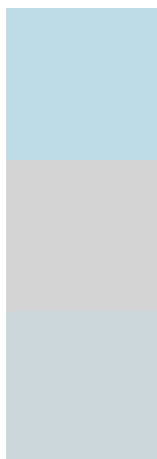
Deuteranomaly

67.0593, 0.3001, 0.3070

Tritanomaly

67.6083, 0.2829, 0.3107

Monochromacy



Original Color

67.7747, 0.2847, 0.3163

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.5527, 0.3022, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7747, 0.2847, 0.3163 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(189, 220, 231)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 220, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 220, 231) }
```

Border

The CSS property to change the border of an element to Yxy 67.7747, 0.2847, 0.3163 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(189, 220, 231) }
```

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

```
.border{ border-color:rgb(189, 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(189, 220, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 220, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 220, 231);  
box-shadow:4px 4px 4px 4px rgb(189, 220,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7747, 0.2847, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 220, 231) }
```

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

```
.background{ background-color: rgb(189,  
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](#).

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