

Converting Colors

$Yxy(65.9545, 0.2867, 0.3176)$

Have a look what the booklet for
Yxy(65.9545, 0.2867, 0.3176)
contains.

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Color

Yxy(65.8631, 0.2863, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	BCD9E3
RGB	188, 217, 227
RGB Percent	74%, 85%, 89%
CMY	0.2628, 0.1490, 0.1099
CMYK	0.17, 0.04, 0.00, 0.11
HSL	195°, 41%, 81%
HSV	195°, 17%, 89%
XYZ	59.4096, 65.8631, 82.2355
YIQ	209.4690, -20.4940, -3.0380

Conversions

Conversions Part 2

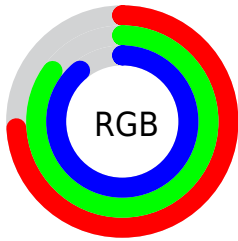
Format	Color
RYB	188, 205, 227
Decimal	12376547
CIELab	84.93, -7.52, -8.12
CIELCh	85, 11.072, 227.208
Yxy	65.8631, 0.2863, 0.3174
Android (android.graphics.Color)	4290566627 (0xFFBCD9E3)
YUV	209.4690, 8.6428, -18.8283
Hunter-Lab	81.1561, -11.3538, -3.2693

Details

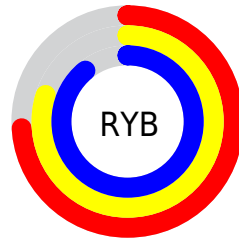
The Yxy color **65.8631, 0.2863, 0.3174** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.3171, 0.3437, 0.3403**, and the grayscale version is **64.0334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **33.8876, 0.2794, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **60.2697, 0.2713, 0.3098**, and if you desaturate by 10%, it is **72.0202, 0.3016, 0.3244**.

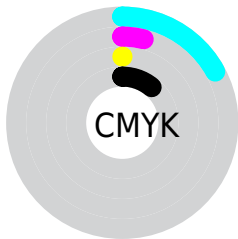
Distribution



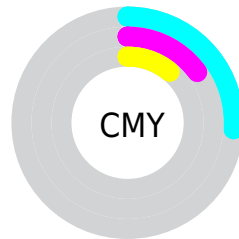
- Red (74%)
- Green (85%)
- Blue (89%)



- Red (74%)
- Yellow (80%)
- Blue (89%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (26%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8631, 0.2863, 0.3174 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 65.8631, 0.2863, 0.3174 by changing the saturation by 10% instead.

■ 65.8631, 0.2863,
0.3174

■ 65.8631, 0.2863,
0.3174

445.8871, 0.2986,
0.3230

■ 48.1613, 0.2834,
0.3161

■ 113.2898, 0.2906,
0.3194

■ 33.9546, 0.2799,
0.3144

143.7835, 0.2923,
0.3201

■ 22.8587, 0.2754,
0.3122

179.3099, 0.2937,
0.3208

■ 14.4892, 0.2695,
0.3093

220.2535, 0.2950,
0.3213

■ 8.4617, 0.2613,
0.3053

266.9986, 0.2960,
0.3218

■ 4.3918, 0.2494,
0.2990

319.9297, 0.2970,

■ 1.8950, 0.2305,

0.3223

0.2886

379.4310, 0.2979,
0.3226

0.5454, 0.1628,
0.2653

0.0000, 0.0000,
0.0000

65.8631, 0.2863,
0.3174

65.8631, 0.2863,
0.3174

60.2697, 0.2713,
0.3098

72.0202, 0.3016,
0.3244

55.2098, 0.2570,
0.3015

78.7537, 0.3171,
0.3307

50.6621, 0.2436,
0.2928

85.8824, 0.3315,
0.3364

46.6006, 0.2317,
0.2836

89.2457, 0.3309,
0.3421

■ 42.9966, 0.2213,
0.2742

■ 92.7180, 0.3302,
0.3477

■ 39.8177, 0.2129,
0.2646

■ 96.3005, 0.3295,
0.3532

■ 37.0260, 0.2064,
0.2550

■ 98.3247, 0.3292,
0.3562

■ 34.5722, 0.2019,
0.2455

■ 33.9190, 0.2008,
0.2428

Harmonies

Analogous

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



65.8631, 0.2909, 0.3296



65.8631, 0.2863, 0.3174



65.8631, 0.2885, 0.3088

Triad

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



65.8631, 0.2863, 0.3174



65.8631, 0.3239, 0.3166



65.8631, 0.3282, 0.3532

Complementary

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



65.8631, 0.2863, 0.3174



60.3171, 0.3437, 0.3403

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.



65.8631, 0.3374, 0.3490



65.8631, 0.2863, 0.3174



65.8631, 0.3349, 0.3279

Square

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



65.8631, 0.2863, 0.3174



65.8631, 0.3100, 0.3086



65.8631, 0.3399, 0.3397



65.8631, 0.3150, 0.3506

Rectangle

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



65.8631, 0.2863, 0.3174



65.8631, 0.2936, 0.3060



65.8631, 0.3399, 0.3397



65.8631, 0.3319, 0.3525

Sweetspot

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



65.8658, 0.2863, 0.3174



95.6011, 0.3050, 0.3258



69.6776, 0.3045, 0.3635



20.3336, 0.3039, 0.3253



0.0000, 0.0000, 0.0000



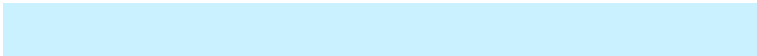
21.4041, 0.3127, 0.3290

Same Dimension

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



65.8658, 0.2863, 0.3174



82.8008, 0.2803, 0.3145



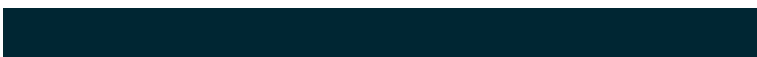
56.4967, 0.2852, 0.2944



15.6803, 0.2981, 0.3229



19.9831, 0.2012, 0.2442



1.6235, 0.2050, 0.2581

Inverse Universe

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



57.2942, 0.3223, 0.2970



69.6135, 0.3249, 0.2894



69.6988, 0.3402, 0.3614



14.5490, 0.3177, 0.3117



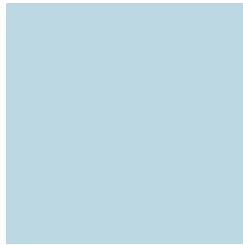
11.2150, 0.3980, 0.1966



0.8436, 0.3843, 0.1891

Previews

White Background



This preview shows how the Yxy color 65.8631, 0.2863, 0.3174 looks on a white background.

Color Contrast Check

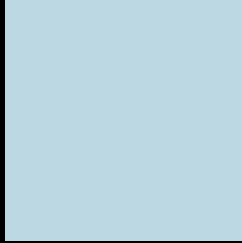
Large Text (above 18pt) WCAG AA × Fail

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 65.8631, 0.2863, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

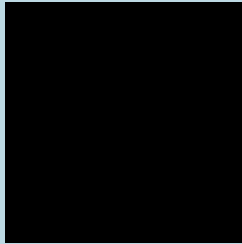
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

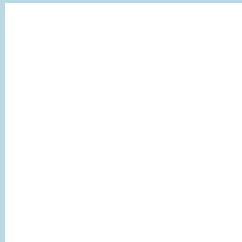
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8631, 0.2863, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 65.8631, 0.2863, 0.3174.



This preview shows how white text looks on a background with the Yxy color 65.8631, 0.2863, 0.3174.

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

65.8631, 0.2863, 0.3174

Protanopia

65.4179, 0.3053, 0.3145

Deuteranopia

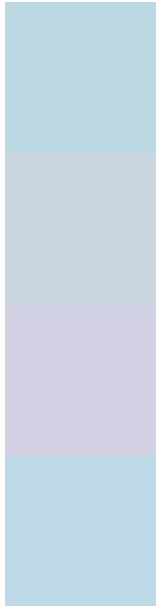
65.6470, 0.3102, 0.3041



Tritanopia

65.8137, 0.2833, 0.3094

Trichromacy



Original Color

65.8631, 0.2863, 0.3174

Protanomaly

65.6668, 0.2982, 0.3165

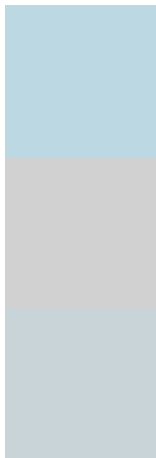
Deuteranomaly

65.5435, 0.3013, 0.3090

Tritanomaly

65.7001, 0.2845, 0.3117

Monochromacy



Original Color

65.8631, 0.2863, 0.3174

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.4623, 0.3020, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8631, 0.2863, 0.3174 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(188, 217, 227)` looks like.

```
.text, #text, p{  
    color:rgb(188, 217, 227)  
}
```

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(188, 217, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 217, 227) }
```

Border

The CSS property to change the border of an element to Yxy 65.8631, 0.2863, 0.3174 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(188, 217, 227) }
```

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

```
.border{ border-color:rgb(188, 217, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 217, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 217, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 217, 227);  
box-shadow:4px 4px 4px 4px rgb(188, 217,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8631, 0.2863, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 217, 227) }
```

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

```
.background{ background-color: rgb(188,  
217, 227) }
```

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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