

Converting Colors

$Yxy(66.4312, 0.2825, 0.3212)$

Have a look what the booklet for
Yxy(66.4312, 0.2825, 0.3212)
contains.

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Color

Yxy(66.5011, 0.2826, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	B5DCE2
RGB	181, 220, 226
RGB Percent	71%, 86%, 89%
CMY	0.2900, 0.1373, 0.1137
CMYK	0.20, 0.03, 0.00, 0.11
HSL	188°, 44%, 80%
HSV	188°, 20%, 89%
XYZ	58.3821, 66.5011, 81.7061
YIQ	209.0230, -25.1700, -6.4020

Conversions

Conversions Part 2

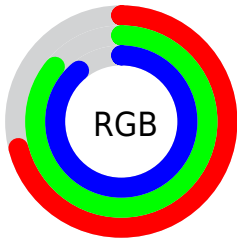
Format	Color
RYB	181, 202, 226
Decimal	11918562
CIELab	85.25, -11.40, -7.17
CIELCh	85, 13.470, 212.178
Yxy	66.5011, 0.2826, 0.3219
Android (android.graphics.Color)	4290108642 (0xFFB5DCE2)
YUV	209.0230, 8.3697, -24.5762
Hunter-Lab	81.5482, -14.9173, -2.3210

Details

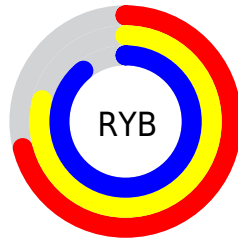
The Yxy color **66.5011, 0.2826, 0.3219** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.0617, 0.3508, 0.3360**, and the grayscale version is **63.7384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **34.3626, 0.2749, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **62.4206, 0.2685, 0.3179**, and if you desaturate by 10%, it is **71.0588, 0.2975, 0.3256**.

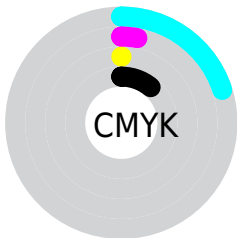
Distribution



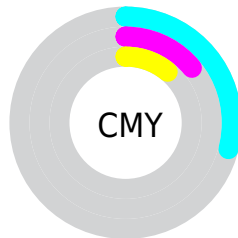
- Red (71%)
- Green (86%)
- Blue (89%)



- Red (71%)
- Yellow (79%)
- Blue (89%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5011, 0.2826, 0.3219 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 66.5011, 0.2826, 0.3219 by changing the saturation by 10% instead.

66.5011, 0.2826,
0.3219

66.5011, 0.2826,
0.3219

448.1669, 0.2966,
0.3254

48.6793, 0.2794,
0.3210

114.2052, 0.2875,
0.3232

34.3651, 0.2754,
0.3200

144.8564, 0.2894,
0.3236

23.1743, 0.2703,
0.3185

180.5527, 0.2910,
0.3240

14.7222, 0.2636,
0.3166

221.6787, 0.2924,
0.3244

8.6247, 0.2544,
0.3138

268.6187, 0.2937,
0.3247

4.4972, 0.2411,
0.3094

321.7572, 0.2948,

1.9554, 0.2200,

0.3250

381.4784, 0.2958,
0.3252

0.3018

0.5814, 0.1371,
0.2906

0.0000, 0.0000,
0.0000

66.5011, 0.2826,
0.3219

66.5011, 0.2826,
0.3219

62.4206, 0.2685,
0.3179

71.0588, 0.2975,
0.3256

58.7875, 0.2555,
0.3136

76.1055, 0.3129,
0.3290

55.5815, 0.2439,
0.3091

81.6628, 0.3285,
0.3321

52.7770, 0.2339,
0.3045

84.4968, 0.3325,
0.3351

■ 50.3456, 0.2258,
0.2998

■ 86.2096, 0.3321,
0.3380

■ 48.2551, 0.2197,
0.2950

■ 87.9516, 0.3317,
0.3410

■ 46.4671, 0.2154,
0.2903

■ 89.7231, 0.3314,
0.3439

■ 44.9155, 0.2127,
0.2857

■ 91.5241, 0.3310,
0.3468

■ 44.8994, 0.2127,
0.2857

■ 93.3548, 0.3307,
0.3497

Harmonies

Analogous

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



66.5011, 0.2919, 0.3374



66.5011, 0.2826, 0.3219



66.5011, 0.2811, 0.3089

Triad

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



66.5011, 0.2826, 0.3219



66.5011, 0.3179, 0.3085



66.5011, 0.3379, 0.3568

Complementary

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



66.5011, 0.2826, 0.3219



55.0617, 0.3508, 0.3360

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.



66.5011, 0.3453, 0.3481



66.5011, 0.2826, 0.3219



66.5011, 0.3337, 0.3205

Square

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



66.5011, 0.2826, 0.3219



66.5011, 0.3011, 0.3017



66.5011, 0.3438, 0.3348



66.5011, 0.3237, 0.3580

Rectangle

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



66.5011, 0.2826, 0.3219



66.5011, 0.2847, 0.3033



66.5011, 0.3438, 0.3348



66.5011, 0.3413, 0.3546

Sweetspot

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



66.5038, 0.2826, 0.3219



95.9172, 0.3034, 0.3270



67.8077, 0.3064, 0.3762



20.4382, 0.3024, 0.3268



0.0000, 0.0000, 0.0000



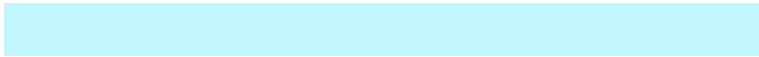
21.4041, 0.3127, 0.3290

Same Dimension

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



66.5038, 0.2826, 0.3219



85.0832, 0.2765, 0.3202



55.4890, 0.2809, 0.2948



15.2440, 0.2982, 0.3258



25.7433, 0.2129, 0.2864



1.8720, 0.2149, 0.2936

Inverse Universe

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



54.3982, 0.3197, 0.2860



66.4598, 0.3214, 0.2765



65.3578, 0.3460, 0.3610



13.9025, 0.3158, 0.3089



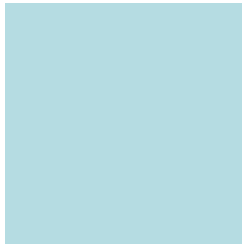
11.5068, 0.3576, 0.1744



0.8064, 0.3511, 0.1708

Previews

White Background



This preview shows how the Yxy color 66.5011, 0.2826, 0.3219 looks on a white background.

Color Contrast Check

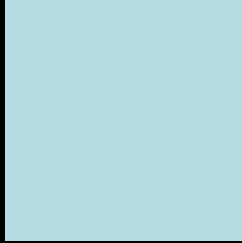
Large Text (above 18pt) WCAG AA × Fail

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 66.5011, 0.2826, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

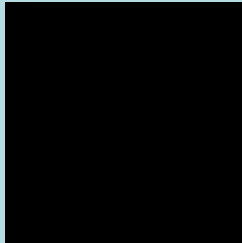
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

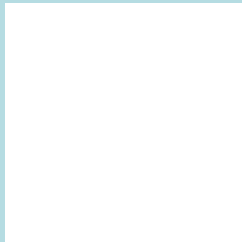
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5011, 0.2826, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 66.5011, 0.2826, 0.3219.



This preview shows how white text looks on a background with the Yxy color 66.5011, 0.2826, 0.3219.

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

66.5011, 0.2826, 0.3219

Protanopia

66.1051, 0.3081, 0.3179

Deuteranopia

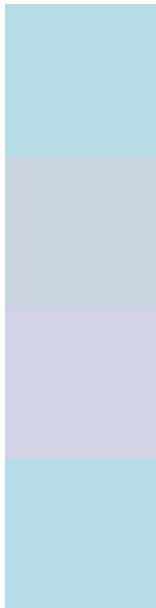
65.9685, 0.3116, 0.3042



Tritanopia

66.2662, 0.2779, 0.3082

Trichromacy



Original Color

66.5011, 0.2826, 0.3219

Protanomaly

65.9774, 0.2982, 0.3187

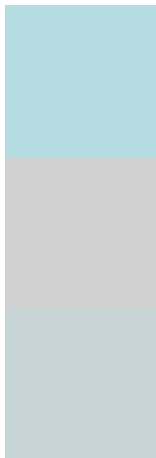
Deuteranomaly

65.8916, 0.3006, 0.3101

Tritanomaly

66.4343, 0.2796, 0.3139

Monochromacy



Original Color

66.5011, 0.2826, 0.3219

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.6369, 0.3013, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5011, 0.2826, 0.3219 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(181, 220, 226)` looks like.

```
.text, #text, p{  
    color:rgb(181, 220, 226)  
}
```

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(181, 220, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 220, 226) }
```

Border

The CSS property to change the border of an element to Yxy 66.5011, 0.2826, 0.3219 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(181, 220, 226) }
```

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

```
.border{ border-color:rgb(181, 220, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 220, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 220, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 220, 226); box-shadow:4px 4px 4px 4px rgb(181, 220, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5011, 0.2826, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 220, 226) }
```

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

```
.background{ background-color: rgb(181,  
220, 226) }
```

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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