

Converting Colors

$Y_{xy}(64.6565, 0.2810, 0.3188)$

Have a look what the booklet for
Yxy(64.6565, 0.2810, 0.3188)
contains.

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Color

Yxy(64.7004, 0.2811, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	B3D9E2
RGB	179, 217, 226
RGB Percent	70%, 85%, 89%
CMY	0.2978, 0.1490, 0.1137
CMYK	0.21, 0.04, 0.00, 0.11
HSL	192°, 45%, 79%
HSV	192°, 21%, 89%
XYZ	57.1388, 64.7004, 81.4294
YIQ	206.6640, -25.5370, -5.2570

Conversions

Conversions Part 2

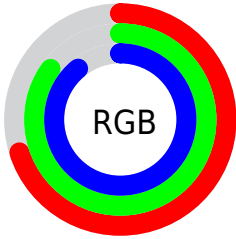
Format	Color
RYB	179, 200, 226
Decimal	11786722
CIELab	84.33, -10.46, -8.56
CIELCh	84, 13.518, 219.277
Yxy	64.7004, 0.2811, 0.3183
Android (android.graphics.Color)	4289976802 (0xFFB3D9E2)
YUV	206.6640, 9.5326, -24.2613
Hunter-Lab	80.4366, -13.9650, -3.7162

Details

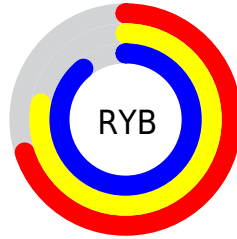
The Yxy color **64.7004, 0.2811, 0.3183** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.4171, 0.3522, 0.3394**, and the grayscale version is **62.1261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **33.1409, 0.2729, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **60.0201, 0.2667, 0.3125**, and if you desaturate by 10%, it is **69.8861, 0.2961, 0.3237**.

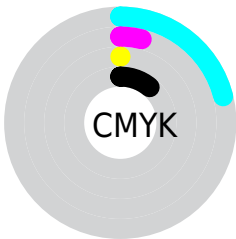
Distribution



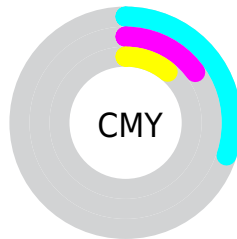
- Red (70%)
- Green (85%)
- Blue (89%)



- Red (70%)
- Yellow (78%)
- Blue (89%)



- Cyan (21%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (30%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7004, 0.2811, 0.3183 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 64.7004, 0.2811, 0.3183 by changing the saturation by 10% instead.

■ 64.7004, 0.2811,
0.3183

■ 64.7004, 0.2811,
0.3183

441.7146, 0.2959,
0.3235

■ 47.2182, 0.2777,
0.3170

■ 111.6190, 0.2863,
0.3202

■ 33.2082, 0.2734,
0.3154

141.8242, 0.2883,
0.3209

■ 22.2860, 0.2680,
0.3133

177.0392, 0.2900,
0.3215

■ 14.0672, 0.2609,
0.3105

217.6483, 0.2915,
0.3220

■ 8.1674, 0.2511,
0.3064

264.0360, 0.2928,
0.3225

■ 4.2023, 0.2368,
0.3002

316.5867, 0.2939,

■ 1.7873, 0.2141,

0.3229

0.2894

375.6848, 0.2950,
0.3232

0.4793, 0.1107,
0.2651

0.0000, 0.0000,
0.0000

64.7004, 0.2811,
0.3183

64.7004, 0.2811,
0.3183

60.0201, 0.2667,
0.3125

69.8861, 0.2961,
0.3237

55.8153, 0.2533,
0.3062

75.5897, 0.3115,
0.3286

52.0650, 0.2412,
0.2996

81.8331, 0.3270,
0.3331

48.7432, 0.2306,
0.2928

85.7901, 0.3322,
0.3373

■ 45.8210, 0.2218,
0.2858

■ 88.2944, 0.3317,
0.3415

■ 43.2652, 0.2150,
0.2788

■ 90.8595, 0.3312,
0.3458

■ 41.0364, 0.2102,
0.2718

■ 93.4860, 0.3306,
0.3499

■ 39.2093, 0.2071,
0.2655

■ 96.1742, 0.3301,
0.3540

■ 98.2711, 0.3298,
0.3572

Harmonies

Analogous

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



64.7004, 0.2888, 0.3338



64.7004, 0.2811, 0.3183



64.7004, 0.2816, 0.3063

Triad

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



64.7004, 0.2811, 0.3183



64.7004, 0.3220, 0.3108



64.7004, 0.3353, 0.3582

Complementary

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



64.7004, 0.2811, 0.3183



55.4171, 0.3522, 0.3394

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.



64.7004, 0.3448, 0.3509



64.7004, 0.2811, 0.3183



64.7004, 0.3370, 0.3237

Square

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



64.7004, 0.2811, 0.3183



64.7004, 0.3048, 0.3024



64.7004, 0.3454, 0.3383



64.7004, 0.3199, 0.3574

Rectangle

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



64.7004, 0.2811, 0.3183



64.7004, 0.2865, 0.3018



64.7004, 0.3454, 0.3383



64.7004, 0.3393, 0.3566

Sweetspot

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



64.7030, 0.2811, 0.3183



95.3540, 0.3034, 0.3261



67.5998, 0.3047, 0.3756



20.3047, 0.3024, 0.3258



0.0000, 0.0000, 0.0000



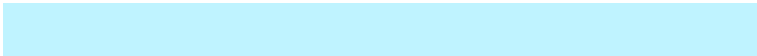
21.4041, 0.3127, 0.3290

Same Dimension

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



64.7030, 0.2811, 0.3183



82.2912, 0.2747, 0.3158



53.6275, 0.2792, 0.2902



15.1019, 0.2982, 0.3244



22.5351, 0.2074, 0.2666



1.6783, 0.2104, 0.2772

Inverse Universe

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



53.4383, 0.3222, 0.2869



65.0878, 0.3246, 0.2778



66.0810, 0.3471, 0.3650



13.8882, 0.3167, 0.3103



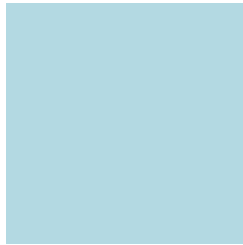
11.1830, 0.3761, 0.1845



0.7869, 0.3660, 0.1790

Previews

White Background



This preview shows how the Yxy color 64.7004, 0.2811, 0.3183 looks on a white background.

Color Contrast Check

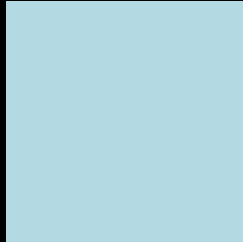
Large Text (above 18pt) WCAG AA × Fail

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 64.7004, 0.2811, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

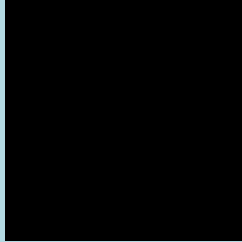
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

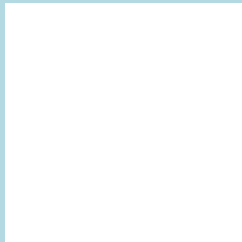
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7004, 0.2811, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 64.7004, 0.2811, 0.3183.

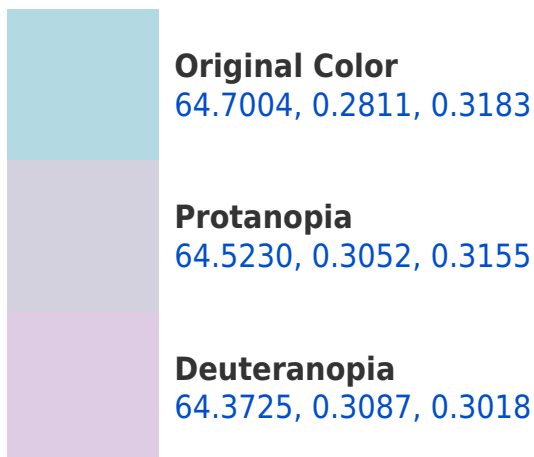


This preview shows how white text looks on a background with the Yxy color 64.7004, 0.2811, 0.3183.

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

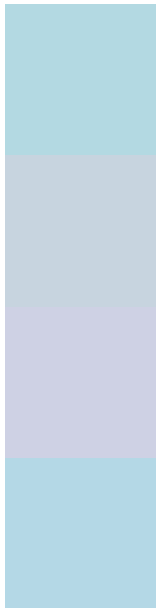




Tritanopia

64.6982, 0.2775, 0.3091

Trichromacy



Original Color

64.7004, 0.2811, 0.3183

Protanomaly

64.5568, 0.2961, 0.3164

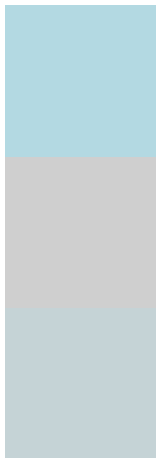
Deuteranomaly

64.3242, 0.2977, 0.3076

Tritanomaly

64.5282, 0.2793, 0.3125

Monochromacy



Original Color

64.7004, 0.2811, 0.3183

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.3139, 0.3005, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7004, 0.2811, 0.3183 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(179, 217, 226)` looks like.

```
.text, #text, p{  
    color:rgb(179, 217, 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(179, 217, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 217, 226) }
```

Border

The CSS property to change the border of an element to Yxy 64.7004, 0.2811, 0.3183 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(179, 217, 226) }
```

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

```
.border{ border-color:rgb(179, 217, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 217, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 217, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 217, 226);  
box-shadow:4px 4px 4px 4px rgb(179, 217,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7004, 0.2811, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 217, 226) }
```

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

```
.background{ background-color: rgb(179,  
217, 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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