

Converting Colors

$Yxy(63.8745, 0.2805, 0.3161)$

Have a look what the booklet for
Yxy(63.8745, 0.2805, 0.3161)
contains.

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Color

Yxy(63.6756, 0.2809, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	B3D7E2
RGB	179, 215, 226
RGB Percent	70%, 84%, 89%
CMY	0.2980, 0.1569, 0.1136
CMYK	0.21, 0.05, 0.00, 0.11
HSL	194°, 45%, 79%
HSV	194°, 21%, 89%
XYZ	56.6207, 63.6756, 81.2726
YIQ	205.4900, -24.9870, -4.2110

Conversions

Conversions Part 2

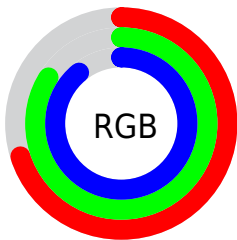
Format	Color
R_{YB}	179, 199, 226
Decimal	11786210
CIE Lab	83.80, -9.45, -9.36
CIE LCh	84, 13.299, 224.730
Yxy	63.6756, 0.2809, 0.3159
Android (android.graphics.Color)	4289976290 (0xFFB3D7E2)
YUV	205.4900, 10.1114, -23.2317
Hunter-Lab	79.7970, -12.9884, -4.5285

Details

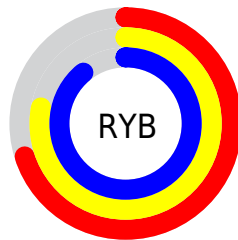
The Yxy color **63.6756, 0.2809, 0.3159** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.2639, 0.3518, 0.3417**, and the grayscale version is **61.3273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **32.4419, 0.2726, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **58.5477, 0.2662, 0.3087**, and if you desaturate by 10%, it is **69.3374, 0.2961, 0.3225**.

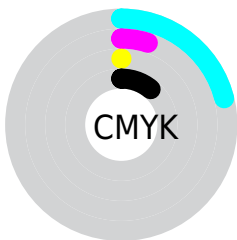
Distribution



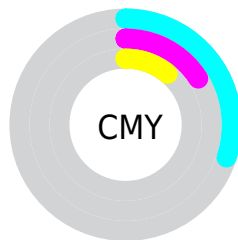
- Red (70%)
- Green (84%)
- Blue (89%)



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



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (30%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6756, 0.2809, 0.3159 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 63.6756, 0.2809, 0.3159 by changing the saturation by 10% instead.

■ 63.6756, 0.2809,
0.3159

■ 63.6756, 0.2809,
0.3159

438.0172, 0.2958,
0.3223

■ 46.3880, 0.2774,
0.3144

■ 110.1436, 0.2861,
0.3182

■ 32.5521, 0.2731,
0.3124

140.0928, 0.2881,
0.3190

■ 21.7835, 0.2677,
0.3099

175.0313, 0.2899,
0.3198

■ 13.6979, 0.2604,
0.3065

215.3435, 0.2914,
0.3204

■ 7.9109, 0.2505,
0.3016

261.4138, 0.2927,
0.3210

■ 4.0380, 0.2359,
0.2941

313.6266, 0.2939,

■ 1.6948, 0.2126,

0.3215

0.2813

372.3663, 0.2949,
0.3219

0.4203, 0.0988,
0.2460

0.0000, 0.0000,
0.0000

63.6756, 0.2809,
0.3159

63.6756, 0.2809,
0.3159

58.5477, 0.2662,
0.3087

69.3374, 0.2961,
0.3225

53.9237, 0.2524,
0.3010

75.5462, 0.3115,
0.3285

49.7821, 0.2398,
0.2929

82.3242, 0.3268,
0.3340

46.0964, 0.2287,
0.2844

86.8532, 0.3320,
0.3391

■ 42.8373, 0.2193,
0.2758

■ 89.9524, 0.3313,
0.3443

■ 39.9714, 0.2119,
0.2670

■ 93.1427, 0.3307,
0.3494

■ 37.4587, 0.2065,
0.2583

■ 96.4251, 0.3301,
0.3544

■ 35.3981, 0.2029,
0.2504

■ 98.2722, 0.3297,
0.3572

Harmonies

Analogous

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



63.6756, 0.2871, 0.3309



63.6756, 0.2809, 0.3159



63.6756, 0.2829, 0.3050

Triad

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



63.6756, 0.2809, 0.3159



63.6756, 0.3249, 0.3130



63.6756, 0.3326, 0.3583

Complementary

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



63.6756, 0.2809, 0.3159



56.2639, 0.3518, 0.3417

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.



63.6756, 0.3433, 0.3525



63.6756, 0.2809, 0.3159



63.6756, 0.3389, 0.3264

Square

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



63.6756, 0.2809, 0.3159



63.6756, 0.3080, 0.3038



63.6756, 0.3456, 0.3407



63.6756, 0.3168, 0.3560

Rectangle

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



63.6756, 0.2809, 0.3159



63.6756, 0.2886, 0.3014



63.6756, 0.3456, 0.3407



63.6756, 0.3369, 0.3572

Sweetspot

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



63.6782, 0.2809, 0.3159



94.9462, 0.3034, 0.3255



67.7052, 0.3032, 0.3727



20.2081, 0.3024, 0.3251



0.0000, 0.0000, 0.0000



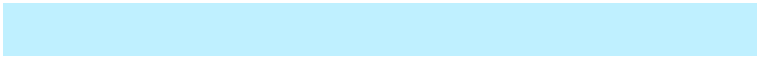
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6782, 0.2809, 0.3159



80.6837, 0.2744, 0.3128



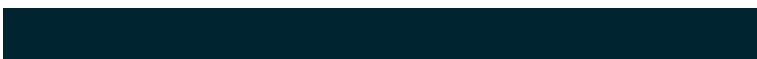
52.5745, 0.2790, 0.2872



14.9992, 0.2982, 0.3234



20.3805, 0.2033, 0.2518



1.5462, 0.2070, 0.2650

Inverse Universe

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



53.3202, 0.3239, 0.2890



64.9255, 0.3267, 0.2803



67.2592, 0.3466, 0.3676



13.8778, 0.3173, 0.3112



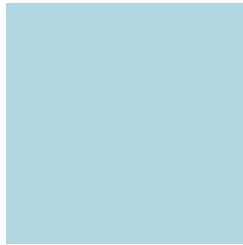
10.9655, 0.3905, 0.1925



0.7735, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 63.6756, 0.2809, 0.3159 looks on a white background.

Color Contrast Check

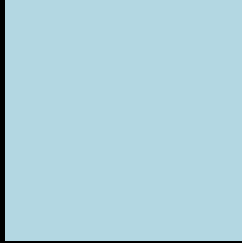
Large Text (above 18pt) WCAG AA × Fail

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 63.6756, 0.2809, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

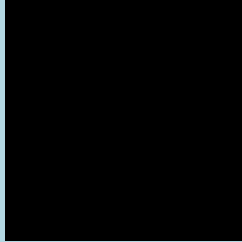
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

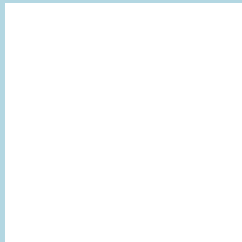
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.6756, 0.2809, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 63.6756, 0.2809, 0.3159.

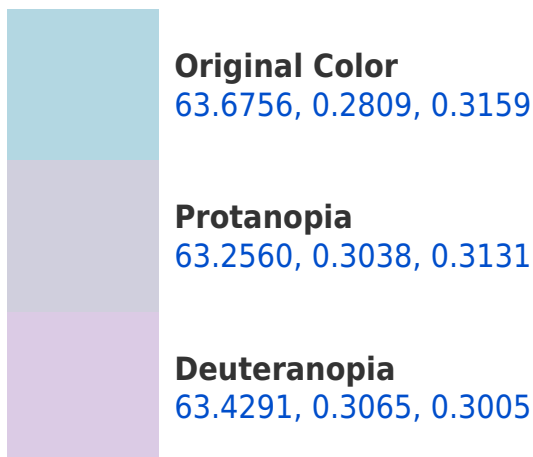


This preview shows how white text looks on a background with the Yxy color 63.6756, 0.2809, 0.3159.

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

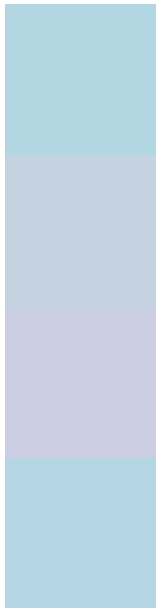




Tritanopia

63.5660, 0.2785, 0.3090

Trichromacy



Original Color

63.6756, 0.2809, 0.3159

Protanomaly

63.2912, 0.2946, 0.3140

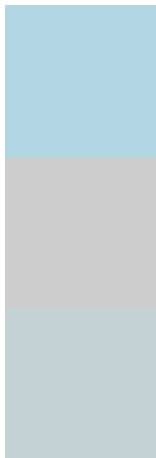
Deuteranomaly

63.0645, 0.2963, 0.3052

Tritanomaly

63.4536, 0.2797, 0.3113

Monochromacy



Original Color

63.6756, 0.2809, 0.3159

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.1408, 0.3005, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6756, 0.2809, 0.3159 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, 215, 226)` looks like.

```
.text, #text, p{  
    color:rgb(179, 215, 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, 215, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 215, 226) }
```

Border

The CSS property to change the border of an element to Yxy 63.6756, 0.2809, 0.3159 is called "border". The border property can be set on classes, ids or directly on the HTML element.

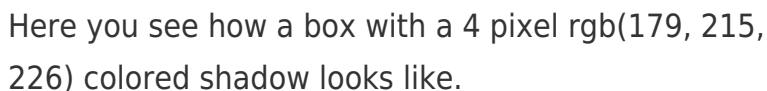
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 215, 226) }
```

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

```
.border{ border-color:rgb(179, 215, 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, 215, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 215, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 215, 226);  
box-shadow:4px 4px 4px 4px rgb(179, 215,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6756, 0.2809, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 215, 226) }
```

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

```
.background{ background-color: rgb(179,  
215, 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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