

Converting Colors

$Yxy(63.9790, 0.2682, 0.3164)$

Have a look what the booklet for
Yxy(63.9790, 0.2682, 0.3164)
contains.

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Color

Yxy(63.9533, 0.2681, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	A1DBE6
RGB	161, 219, 230
RGB Percent	63%, 86%, 90%
CMY	0.3683, 0.1412, 0.0980
CMYK	0.30, 0.05, 0.00, 0.10
HSL	190°, 58%, 77%
HSV	190°, 30%, 90%
XYZ	54.3279, 63.9533, 84.3592
YIQ	202.9120, -38.0990, -8.8750

Conversions

Conversions Part 2

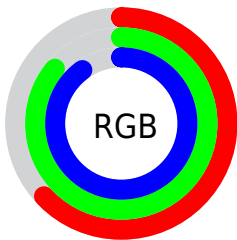
Format	Color
RYB	161, 193, 230
Decimal	10607590
CIELab	83.94, -15.83, -11.38
CIELCh	84, 19.495, 215.707
Yxy	63.9533, 0.2681, 0.3156
Android (android.graphics.Color)	4288797670 (0xFFA1DBE6)
YUV	202.9120, 13.3544, -36.7568
Hunter-Lab	79.9708, -18.6856, -6.5640

Details

The Yxy color **63.9533, 0.2681, 0.3156** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.9572, 0.3761, 0.3419**, and the grayscale version is **59.6083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **32.7719, 0.2571, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **59.8796, 0.2549, 0.3104**, and if you desaturate by 10%, it is **68.5143, 0.2824, 0.3204**.

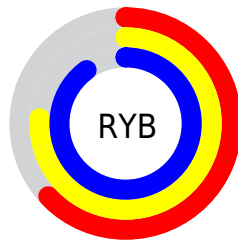
Distribution



Red (63%)

Green (86%)

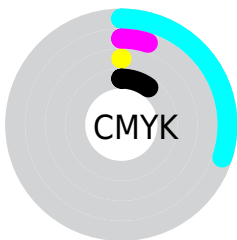
Blue (90%)



Red (63%)

Yellow (76%)

Blue (90%)

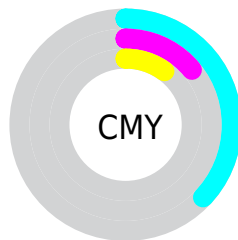


Cyan (30%)

Magenta (5%)

Yellow (0%)

Black (10%)



Cyan (37%)


Magenta (14%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9533, 0.2681, 0.3156 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 63.9533, 0.2681, 0.3156 by changing the saturation by 10% instead.

 63.9533, 0.2681,
0.3156

 63.9533, 0.2681,
0.3156


439.0210, 0.2889,
0.3223

 46.6129, 0.2633,
0.3139

 110.5437, 0.2753,
0.3180

 32.7297, 0.2574,
0.3118


 140.5624, 0.2782,
0.3189

 21.9195, 0.2499,
0.3091


175.5760, 0.2806,
0.3197

 13.7977, 0.2400,
0.3053

215.9689, 0.2827,
0.3204

 7.9801, 0.2266,
0.2998

262.1254, 0.2845,
0.3210

 4.0822, 0.2072,
0.2912

314.4300, 0.2862,

 1.7197, 0.1773,

0.3215

0.2762

373.2671, 0.2876,
0.3219

0.4363, 0.0160,
0.2467

0.0000, 0.0000,
0.0000

63.9533, 0.2681,
0.3156

63.9533, 0.2681,
0.3156

59.8796, 0.2549,
0.3104

68.5143, 0.2824,
0.3204

56.2612, 0.2430,
0.3050

73.5774, 0.2974,
0.3249

53.0738, 0.2327,
0.2994

79.1664, 0.3128,
0.3290

50.2878, 0.2242,
0.2937

85.3009, 0.3283,
0.3327

■ 47.8691, 0.2177,
0.2879

■ 87.7754, 0.3292,
0.3363

■ 45.7775, 0.2131,
0.2821

■ 89.9351, 0.3288,
0.3399

■ 43.9438, 0.2101,
0.2765

■ 92.1389, 0.3284,
0.3435

■ 43.9380, 0.2101,
0.2765

■ 94.3870, 0.3280,
0.3470

■ 96.6798, 0.3277,
0.3505

Harmonies

Analogous

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



63.9533, 0.2802, 0.3386



63.9533, 0.2681, 0.3156



63.9533, 0.2674, 0.2976

Triad

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



63.9533, 0.2681, 0.3156



63.9533, 0.3231, 0.3011



63.9533, 0.3475, 0.3706

Complementary

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



63.9533, 0.2681, 0.3156



48.9572, 0.3761, 0.3419

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.



63.9533, 0.3600, 0.3584



63.9533, 0.2681, 0.3156



63.9533, 0.3458, 0.3188

Square

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



63.9533, 0.2681, 0.3156



63.9533, 0.2983, 0.2903



63.9533, 0.3595, 0.3394



63.9533, 0.3258, 0.3714

Rectangle

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



63.9533, 0.2681, 0.3156



63.9533, 0.2734, 0.2906



63.9533, 0.3595, 0.3394



63.9533, 0.3529, 0.3676

Sweetspot

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



63.9559, 0.2681, 0.3156



93.5818, 0.2988, 0.3253



67.1493, 0.3026, 0.4030



19.8193, 0.2965, 0.3247



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.



63.9559, 0.2681, 0.3156



77.5247, 0.2597, 0.3124



48.0897, 0.2633, 0.2729



15.9227, 0.2981, 0.3251



25.0206, 0.2104, 0.2774



1.9547, 0.2127, 0.2857

Inverse Universe

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



47.4619, 0.3255, 0.2655



53.8346, 0.3288, 0.2523



63.4959, 0.3651, 0.3793



14.5735, 0.3162, 0.3095



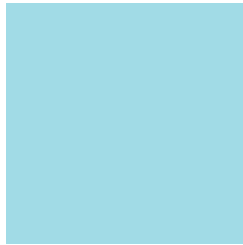
11.7236, 0.3659, 0.1789



0.8770, 0.3583, 0.1747

Previews

White Background



This preview shows how the Yxy color 63.9533, 0.2681, 0.3156 looks on a white background.

Color Contrast Check

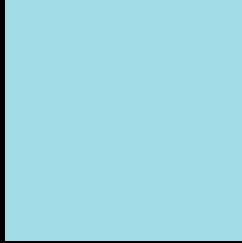
Large Text (above 18pt) WCAG AA × Fail

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 63.9533, 0.2681, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

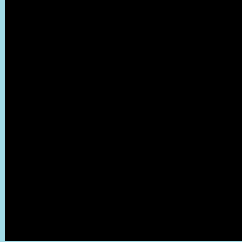
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.9533, 0.2681, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 63.9533, 0.2681, 0.3156.

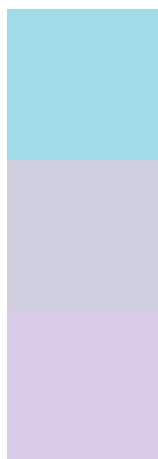


This preview shows how white text looks on a background with the Yxy color 63.9533, 0.2681, 0.3156.

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

63.9533, 0.2681, 0.3156

Protanopia

63.3633, 0.3025, 0.3109

Deuteranopia

63.3468, 0.3023, 0.2961



Tritanopia

63.8803, 0.2652, 0.3075

Trichromacy



Original Color

63.9533, 0.2681, 0.3156

Protanomaly

63.1559, 0.2886, 0.3115

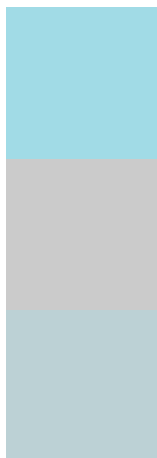
Deuteranomaly

63.2974, 0.2889, 0.3028

Tritanomaly

63.7647, 0.2663, 0.3098

Monochromacy



Original Color

63.9533, 0.2681, 0.3156

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.0964, 0.2948, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9533, 0.2681, 0.3156 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(161, 219, 230)` looks like.

```
.text, #text, p{  
    color:rgb(161, 219, 230)  
}
```

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(161, 219, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 219, 230) }
```

Border

The CSS property to change the border of an element to Yxy 63.9533, 0.2681, 0.3156 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(161, 219, 230) }
```

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

```
.border{ border-color:rgb(161, 219, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 219, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 219, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 219, 230);  
box-shadow:4px 4px 4px 4px rgb(161, 219,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9533, 0.2681, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 219, 230) }
```

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

```
.background{ background-color: rgb(161,  
219, 230) }
```

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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