

Converting Colors

$Yxy(63.8581, 0.2855, 0.3462)$

Have a look what the booklet for
Yxy(63.8581, 0.2855, 0.3462)
contains.

Yxy(63.8581, 0.2855, 0.3462)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.8581, 0.2855, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	A7DCCE
RGB	167, 220, 206
RGB Percent	65%, 86%, 81%
CMY	0.3453, 0.1372, 0.1922
CMYK	0.24, 0.00, 0.06, 0.14
HSL	164°, 43%, 76%
HSV	164°, 24%, 86%
XYZ	52.6617, 63.8581, 67.9345
YIQ	202.5570, -27.0940, -15.5900

Conversions

Conversions Part 2

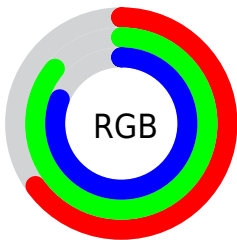
Format	Color
RYB	167, 198, 220
Decimal	11001038
CIELab	83.89, -19.90, 1.33
CIElCh	84, 19.946, 176.182
Yxy	63.8581, 0.2855, 0.3462
Android (android.graphics.Color)	4289191118 (0xFFA7DCCE)
YUV	202.5570, 1.6974, -31.1835
Hunter-Lab	79.9113, -22.2128, 5.5340

Details

The Yxy color **63.8581, 0.2855, 0.3462** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.1750, 0.3497, 0.3125**, and the grayscale version is **59.4264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **32.7547, 0.2788, 0.3504** is the 20% darker color. If you saturate the color by 10%, you get **61.3881, 0.2755, 0.3545**, and if you desaturate by 10%, it is **66.7514, 0.2964, 0.3386**.

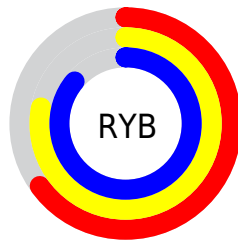
Distribution



Red (65%)

Green (86%)

Blue (81%)



Red (65%)

Yellow (78%)

Blue (86%)

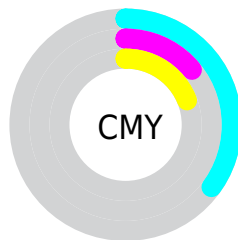


Cyan (24%)

Magenta (0%)

Yellow (6%)

Black (14%)



Cyan (35%)


Magenta (14%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8581, 0.2855, 0.3462 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 63.8581, 0.2855, 0.3462 by changing the saturation by 10% instead.


 63.8581, 0.2855,
0.3462


 63.8581, 0.2855,
0.3462


438.6770, 0.2984,
0.3380

 46.5358, 0.2825,
0.3481


 110.4066, 0.2900,
0.3433

 32.6688, 0.2787,
0.3506


 140.4014, 0.2918,
0.3422

 21.8728, 0.2738,
0.3537


175.3893, 0.2933,
0.3413

 13.7635, 0.2674,
0.3578


215.7545, 0.2946,
0.3404

 7.9564, 0.2583,
0.3637

261.8815, 0.2957,
0.3397

 4.0670, 0.2448,
0.3726

314.1547, 0.2967,

 1.7111, 0.2226,

0.3391

0.3874

372.9584, 0.2976,
0.3385

0.4309, 0.0000,
0.5338

0.0000, 0.0000,
0.0000

63.8581, 0.2855,
0.3462

63.8581, 0.2855,
0.3462

61.3881, 0.2755,
0.3545

66.7514, 0.2964,
0.3386

59.3129, 0.2667,
0.3633

70.0793, 0.3079,
0.3317

57.6124, 0.2593,
0.3727

73.8627, 0.3197,
0.3254

56.2618, 0.2537,
0.3824

78.1185, 0.3316,
0.3198

■ 55.2333, 0.2501,
0.3923

■ 78.4565, 0.3277,
0.3141

■ 54.4944, 0.2484,
0.4023

■ 78.7984, 0.3237,
0.3084

■ 54.0061, 0.2487,
0.4122

■ 79.1513, 0.3198,
0.3028

■ 53.7977, 0.2494,
0.4180

■ 79.5155, 0.3159,
0.2973

■ 79.6743, 0.3143,
0.2950

Harmonies

Analogous

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



63.8581, 0.3088, 0.3654



63.8581, 0.2855, 0.3462



63.8581, 0.2698, 0.3225

Triad

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



63.8581, 0.2855, 0.3462



63.8581, 0.2907, 0.2878



63.8581, 0.3625, 0.3534

Complementary

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



63.8581, 0.2855, 0.3462



46.1750, 0.3497, 0.3125

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.



63.8581, 0.3575, 0.3329



63.8581, 0.2855, 0.3462



63.8581, 0.3152, 0.2961

Square

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



63.8581, 0.2855, 0.3462



63.8581, 0.2727, 0.2896



63.8581, 0.3399, 0.3122



63.8581, 0.3536, 0.3687

Rectangle

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



63.8581, 0.2855, 0.3462



63.8581, 0.2654, 0.3080



63.8581, 0.3399, 0.3122



63.8581, 0.3624, 0.3469

Sweetspot

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



63.8607, 0.2855, 0.3462



96.4701, 0.3045, 0.3336



63.8192, 0.3196, 0.3949



20.5866, 0.3037, 0.3340



0.0000, 0.0000, 0.0000



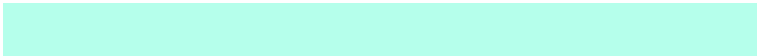
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8607, 0.2855, 0.3462



87.3741, 0.2802, 0.3504



58.3127, 0.2760, 0.3137



14.7677, 0.3017, 0.3353



31.5877, 0.2490, 0.4165



2.0603, 0.2446, 0.4004

Inverse Universe

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



46.1750, 0.3497, 0.3125



58.5263, 0.3603, 0.3088



50.3818, 0.3595, 0.3438



13.1078, 0.3250, 0.3228



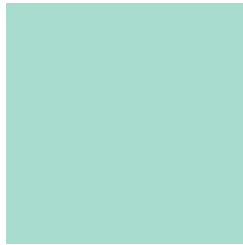
9.1259, 0.5873, 0.3009



0.6054, 0.5404, 0.2750

Previews

White Background



This preview shows how the Yxy color 63.8581, 0.2855, 0.3462 looks on a white background.

Color Contrast Check

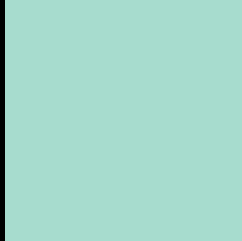
Large Text (above 18pt) WCAG AA × Fail

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 63.8581, 0.2855, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

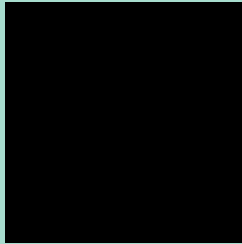
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

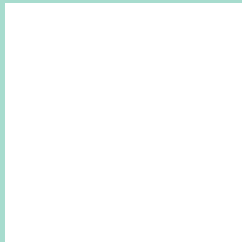
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8581, 0.2855, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 63.8581, 0.2855, 0.3462.

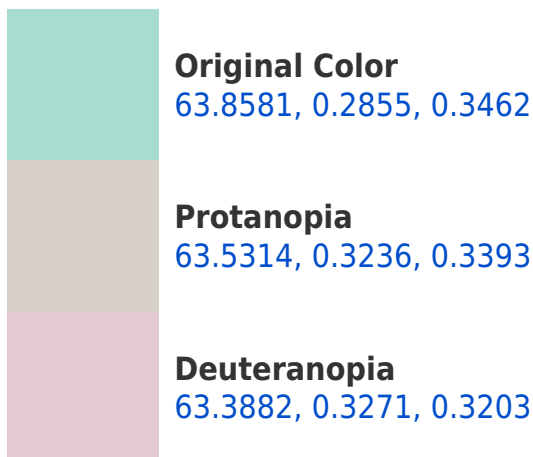


This preview shows how white text looks on a background with the Yxy color 63.8581, 0.2855, 0.3462.

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

63.7656, 0.2726, 0.3088

Trichromacy



Original Color

63.8581, 0.2855, 0.3462

Protanomaly

63.2216, 0.3085, 0.3408

Deuteranomaly

63.3262, 0.3105, 0.3290

Tritanomaly

63.4995, 0.2772, 0.3217

Monochromacy



Original Color

63.8581, 0.2855, 0.3462

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.9077, 0.3021, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8581, 0.2855, 0.3462 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(167, 220, 206)` looks like.

```
.text, #text, p{  
    color:rgb(167, 220, 206)  
}
```

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(167, 220, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 220, 206) }
```

Border

The CSS property to change the border of an element to Yxy 63.8581, 0.2855, 0.3462 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(167, 220, 206) }
```

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

```
.border{ border-color:rgb(167, 220, 206) }
```

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

Here you see how a box with a 4 pixel rgb(167, 220, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 220, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 220, 206);  
box-shadow:4px 4px 4px 4px rgb(167, 220,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8581, 0.2855, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 220, 206) }
```

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

```
.background{ background-color: rgb(167,  
220, 206) }
```

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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