

Converting Colors

$Yxy(63.9656, 0.2889, 0.3207)$

Have a look what the booklet for
Yxy(63.9656, 0.2889, 0.3207)
contains.

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Color

Yxy(63.8784, 0.2892, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	BBD6DD
RGB	187, 214, 221
RGB Percent	73%, 84%, 87%
CMY	0.2664, 0.1608, 0.1333
CMYK	0.15, 0.03, 0.00, 0.13
HSL	192°, 33%, 80%
HSV	192°, 15%, 87%
XYZ	57.6041, 63.8784, 77.7018
YIQ	206.7250, -18.3390, -3.5470

Conversions

Conversions Part 2

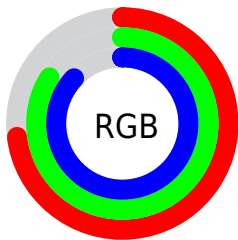
Format	Color
RYB	187, 202, 221
Decimal	12310237
CIELab	83.90, -7.48, -6.48
CIElCh	84, 9.899, 220.893
Yxy	63.8784, 0.2892, 0.3207
Android (android.graphics.Color)	4290500317 (0xFFBBD6DD)
YUV	206.7250, 7.0376, -17.2988
Hunter-Lab	79.9240, -11.2155, -1.6947

Details

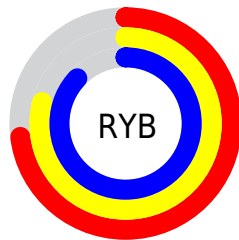
The Yxy color **63.8784, 0.2892, 0.3207** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.5865, 0.3402, 0.3372**, and the grayscale version is **62.1823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **32.5360, 0.2830, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **59.0227, 0.2744, 0.3147**, and if you desaturate by 10%, it is **69.2333, 0.3045, 0.3262**.

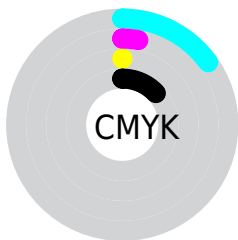
Distribution



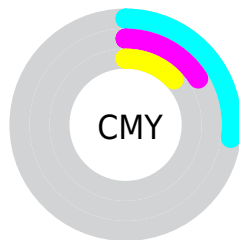
- Red (73%)
- Green (84%)
- Blue (87%)



- Red (73%)
- Yellow (79%)
- Blue (87%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8784, 0.2892, 0.3207 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 63.8784, 0.2892, 0.3207 by changing the saturation by 10% instead.

■ 63.8784, 0.2892,
0.3207

■ 63.8784, 0.2892,
0.3207

438.7504, 0.3003,
0.3247

■ 46.5522, 0.2866,
0.3197

■ 110.4358, 0.2931,
0.3221

■ 32.6818, 0.2834,
0.3185

140.4358, 0.2946,
0.3227

■ 21.8828, 0.2793,
0.3169

175.4291, 0.2959,
0.3232

■ 13.7708, 0.2739,
0.3148

215.8003, 0.2970,
0.3236

■ 7.9614, 0.2664,
0.3117

261.9335, 0.2979,
0.3239

■ 4.0703, 0.2553,
0.3069

314.2134, 0.2988,

■ 1.7130, 0.2373,

0.3242

0.2987

373.0242, 0.2996,
0.3245

0.4320, 0.1440,
0.2728

0.0000, 0.0000,
0.0000

63.8784, 0.2892,
0.3207

63.8784, 0.2892,
0.3207

59.0227, 0.2744,
0.3147

69.2333, 0.3045,
0.3262

54.6383, 0.2603,
0.3081

75.0982, 0.3199,
0.3313

50.7060, 0.2473,
0.3012

81.4936, 0.3352,
0.3358

47.2026, 0.2356,
0.2940

84.3443, 0.3358,
0.3403

■ 44.1020, 0.2257,
0.2865

■ 86.9547, 0.3351,
0.3448

■ 41.3752, 0.2176,
0.2789

■ 89.6325, 0.3345,
0.3492

■ 38.9884, 0.2114,
0.2713

■ 92.3782, 0.3339,
0.3536

■ 36.9002, 0.2072,
0.2638

■ 95.1923, 0.3333,
0.3579

■ 35.9989, 0.2056,
0.2603

■ 98.0006, 0.3327,
0.3621

Harmonies

Analogous

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



63.8784, 0.2946, 0.3320



63.8784, 0.2892, 0.3207



63.8784, 0.2899, 0.3120

Triad

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



63.8784, 0.2892, 0.3207



63.8784, 0.3203, 0.3159



63.8784, 0.3288, 0.3505

Complementary

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



63.8784, 0.2892, 0.3207



57.5865, 0.3402, 0.3372

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.



63.8784, 0.3360, 0.3457



63.8784, 0.2892, 0.3207



63.8784, 0.3310, 0.3257

Square

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



63.8784, 0.2892, 0.3207



63.8784, 0.3077, 0.3095



63.8784, 0.3368, 0.3365



63.8784, 0.3174, 0.3495

Rectangle

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



63.8784, 0.2892, 0.3207



63.8784, 0.2938, 0.3087



63.8784, 0.3368, 0.3365



63.8784, 0.3318, 0.3495

Sweetspot

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



63.8810, 0.2892, 0.3207



95.9909, 0.3049, 0.3264



66.1773, 0.3064, 0.3615



20.4285, 0.3039, 0.3260



0.0000, 0.0000, 0.0000



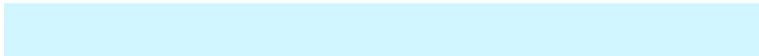
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8810, 0.2892, 0.3207



86.4029, 0.2850, 0.3191



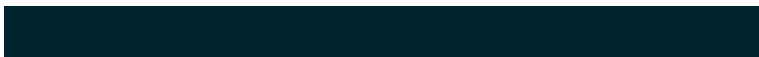
55.8412, 0.2884, 0.3006



14.3485, 0.2982, 0.3241



21.0789, 0.2060, 0.2615



1.4831, 0.2094, 0.2737

Inverse Universe

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



55.7982, 0.3199, 0.2988



73.5337, 0.3213, 0.2931



65.4648, 0.3373, 0.3559



13.2263, 0.3169, 0.3106



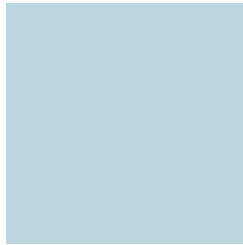
10.7517, 0.3810, 0.1872



0.7084, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 63.8784, 0.2892, 0.3207 looks on a white background.

Color Contrast Check

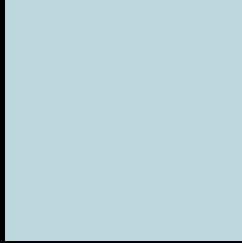
Large Text (above 18pt) WCAG AA × Fail

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 63.8784, 0.2892, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

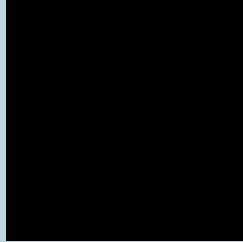
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

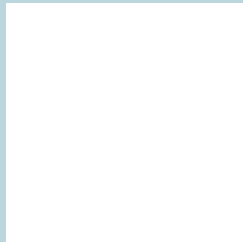
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8784, 0.2892, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 63.8784, 0.2892, 0.3207.

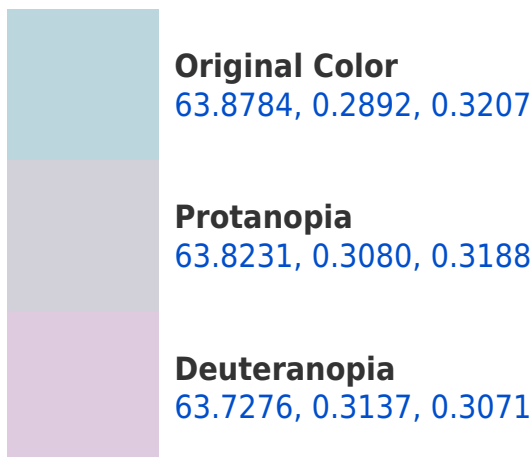


This preview shows how white text looks on a background with the Yxy color 63.8784, 0.2892, 0.3207.

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

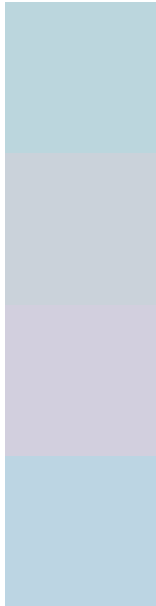




Tritanopia

64.1205, 0.2849, 0.3093

Trichromacy



Original Color

63.8784, 0.2892, 0.3207

Protanomaly

63.7117, 0.3015, 0.3198

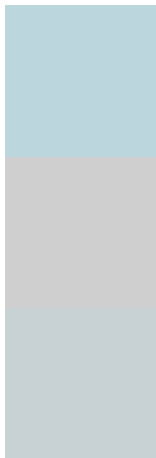
Deuteranomaly

63.6012, 0.3046, 0.3121

Tritanomaly

63.8259, 0.2861, 0.3127

Monochromacy



Original Color

63.8784, 0.2892, 0.3207

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.1260, 0.3040, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8784, 0.2892, 0.3207 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(187, 214, 221)` looks like.

```
.text, #text, p{  
    color:rgb(187, 214, 221)  
}
```

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(187, 214, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 214, 221) }
```

Border

The CSS property to change the border of an element to Yxy 63.8784, 0.2892, 0.3207 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(187, 214, 221) }
```

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

```
.border{ border-color:rgb(187, 214, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 214, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 214, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 214, 221);  
box-shadow:4px 4px 4px 4px rgb(187, 214,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8784, 0.2892, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 214, 221) }
```

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

```
.background{ background-color: rgb(187,  
214, 221) }
```

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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