

Converting Colors

$Yxy(63.8698, 0.2937, 0.3266)$

Have a look what the booklet for
Yxy(63.8698, 0.2937, 0.3266)
contains.

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Color

Yxy(63.8698, 0.2937, 0.3266)

Conversions

Conversions Part 1

Format	Color
Hex	BDD6D8
RGB	189, 214, 216
RGB Percent	74%, 84%, 85%
CMY	0.2586, 0.1608, 0.1530
CMYK	0.12, 0.01, 0.00, 0.15
HSL	184°, 26%, 79%
HSV	184°, 12%, 85%
XYZ	57.4359, 63.8698, 74.2540
YIQ	206.7530, -15.5420, -4.6780

Conversions

Conversions Part 2

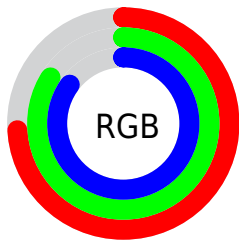
Format	Color
R _Y B	189, 202, 216
Decimal	12441304
CIE Lab	83.90, -7.88, -3.80
CIE LCh	84, 8.746, 205.783
Yxy	63.8698, 0.2937, 0.3266
Android (android.graphics.Color)	4290631384 (0xFFBDD6D8)
YUV	206.7530, 4.5588, -15.5694
Hunter-Lab	79.9186, -11.5731, 0.8554

Details

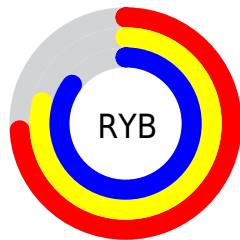
The Yxy color **63.8698, 0.2937, 0.3266** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.5557, 0.3349, 0.3314**, and the grayscale version is **62.2139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **32.5204, 0.2887, 0.3258** is the 20% darker color. If you saturate the color by 10%, you get **60.5076, 0.2792, 0.3245**, and if you desaturate by 10%, it is **67.6566, 0.3089, 0.3285**.

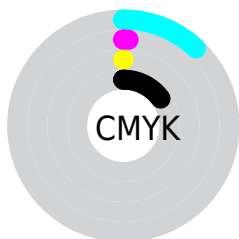
Distribution



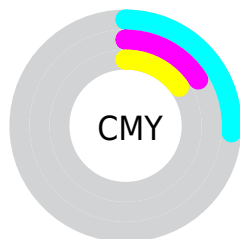
- Red (74%)
- Green (84%)
- Blue (85%)



- Red (74%)
- Yellow (79%)
- Blue (85%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)
- Black (15%)





- Cyan (26%)
- Magenta (16%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8698, 0.2937, 0.3266 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 63.8698, 0.2937, 0.3266 by changing the saturation by 10% instead.

 63.8698, 0.2937,
0.3266

 63.8698, 0.2937,
0.3266


438.7193, 0.3027,
0.3278

 46.5452, 0.2916,
0.3263

 110.4234, 0.2968,
0.3270

 32.6763, 0.2890,
0.3259


140.4212, 0.2981,
0.3272

 21.8786, 0.2857,
0.3254

175.4123, 0.2991,
0.3273

 13.7677, 0.2812,
0.3247

215.7809, 0.3000,
0.3275

 7.9593, 0.2751,
0.3237

261.9115, 0.3008,
0.3276

 4.0689, 0.2659,
0.3220

314.1885, 0.3015,

 1.7122, 0.2509,

0.3277

0.3190

372.9963, 0.3021,
0.3277

0.4315, 0.1573,
0.3115

0.0000, 0.0000,
0.0000

63.8698, 0.2937,
0.3266

63.8698, 0.2937,
0.3266

60.5076, 0.2792,
0.3245

67.6566, 0.3089,
0.3285

57.5439, 0.2658,
0.3222

71.8770, 0.3245,
0.3303

54.9619, 0.2537,
0.3199

76.5497, 0.3403,
0.3319

52.7403, 0.2432,
0.3174

77.6027, 0.3409,
0.3335

■ 50.8560, 0.2345,
0.3149

■ 78.4468, 0.3407,
0.3351

■ 49.2830, 0.2276,
0.3124

■ 79.2989, 0.3404,
0.3367

■ 47.9912, 0.2227,
0.3098

■ 80.1591, 0.3402,
0.3383

■ 46.9448, 0.2196,
0.3074

■ 81.0273, 0.3399,
0.3399

■ 46.2727, 0.2182,
0.3055

■ 81.9037, 0.3397,
0.3415

Harmonies

Analogous

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



63.8698, 0.3009, 0.3366



63.8698, 0.2937, 0.3266



63.8698, 0.2915, 0.3174

Triad

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



63.8698, 0.2937, 0.3266



63.8698, 0.3138, 0.3141



63.8698, 0.3308, 0.3465

Complementary

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



63.8698, 0.2937, 0.3266



55.5557, 0.3349, 0.3314

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.



63.8698, 0.3344, 0.3400



63.8698, 0.2937, 0.3266



63.8698, 0.3245, 0.3215

Square

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



63.8698, 0.2937, 0.3266



63.8698, 0.3030, 0.3105



63.8698, 0.3321, 0.3309



63.8698, 0.3223, 0.3482

Rectangle

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



63.8698, 0.2937, 0.3266



63.8698, 0.2931, 0.3131



63.8698, 0.3321, 0.3309



63.8698, 0.3326, 0.3448

Sweetspot

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



63.8725, 0.2937, 0.3266



97.6363, 0.3065, 0.3283



63.6843, 0.3100, 0.3593



20.8055, 0.3053, 0.3281



0.0000, 0.0000, 0.0000



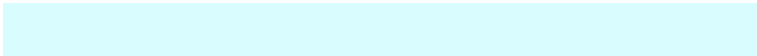
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8725, 0.2937, 0.3266



91.6625, 0.2897, 0.3261



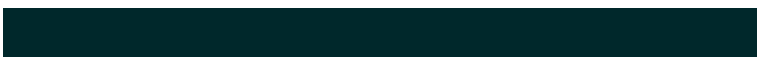
57.4286, 0.2933, 0.3107



13.9434, 0.2983, 0.3272



27.4632, 0.2183, 0.3059



1.7044, 0.2195, 0.3102

Inverse Universe

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



55.8711, 0.3157, 0.3006



77.7961, 0.3163, 0.2944



61.6088, 0.3329, 0.3466



12.6161, 0.3149, 0.3077



11.1173, 0.3403, 0.1648



0.6754, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 63.8698, 0.2937, 0.3266 looks on a white background.

Color Contrast Check

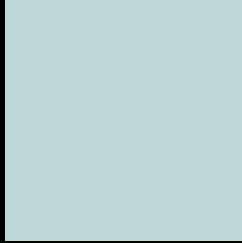
Large Text (above 18pt) WCAG AA × Fail

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 63.8698, 0.2937, 0.3266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

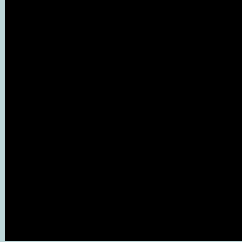
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

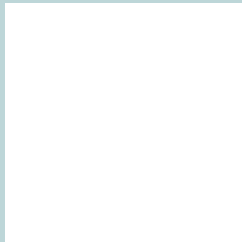
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8698, 0.2937, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 63.8698, 0.2937, 0.3266.

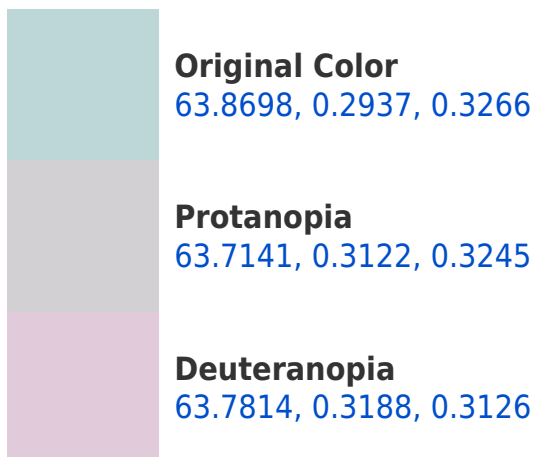


This preview shows how white text looks on a background with the Yxy color 63.8698, 0.2937, 0.3266.

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

63.8205, 0.2868, 0.3093

Trichromacy



Original Color

63.8698, 0.2937, 0.3266

Protanomaly

63.5938, 0.3055, 0.3255

Deuteranomaly

63.6324, 0.3095, 0.3177

Tritanomaly

63.9175, 0.2893, 0.3161

Monochromacy



Original Color

63.8698, 0.2937, 0.3266

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.0257, 0.3054, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8698, 0.2937, 0.3266 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(189, 214, 216)` looks like.

```
.text, #text, p{  
    color:rgb(189, 214, 216)  
}
```

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(189, 214, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 214, 216) }
```

Border

The CSS property to change the border of an element to Yxy 63.8698, 0.2937, 0.3266 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(189, 214, 216) }
```

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

```
.border{ border-color:rgb(189, 214, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 214, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 214, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 214, 216);  
box-shadow:4px 4px 4px 4px rgb(189, 214,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8698, 0.2937, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 214, 216) }
```

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

```
.background{ background-color: rgb(189,  
214, 216) }
```

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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