

Converting Colors

$Y_{xy}(57.8800, 0.2997, 0.3290)$

Have a look what the booklet for
Yxy(57.8800, 0.2997, 0.3290)
contains.

| | |
|---|----|
| Yxy(57.9845, 0.2992, 0.3290) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(57.9845, 0.2992, 0.3290)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BACCCC |
| RGB | 186, 204, 204 |
| RGB Percent | 73%, 80%, 80% |
| CMY | 0.2707, 0.1999, 0.2001 |
| CMYK | 0.09, 0.00, 0.00, 0.20 |
| HSL | 180°, 15%, 76% |
| HSV | 180°, 9%, 80% |
| XYZ | 52.7324, 57.9845, 65.5278 |
| YIQ | 198.6180, -10.7280, -3.8160 |

Conversions

Conversions Part 2

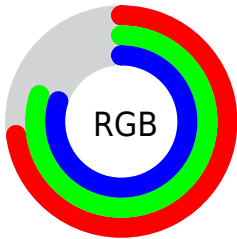
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 186, 195, 204 |
| Decimal | 12242124 |
| CIE Lab | 80.73, -6.09, -2.08 |
| CIE LCh | 81, 6.436, 198.861 |
| Yxy | 57.9845, 0.2992, 0.3290 |
| Android (android.graphics.Color) | 4290432204 (0xFFBACCCC) |
| YUV | 198.6180, 2.6533, -11.0660 |
| Hunter-Lab | 76.1476, -9.6464, 2.2821 |

Details

The Yxy color $57.9845, 0.2992, 0.3290$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $51.4859, 0.3279, 0.3290$, and the grayscale version is $56.8532, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.6172, 0.3047, 0.3290$, and $29.0012, 0.2959, 0.3290$ is the 20% darker color. If you saturate the color by 10%, you get $55.6103, 0.2847, 0.3290$, and if you desaturate by 10%, it is $60.7284, 0.3145, 0.3290$.

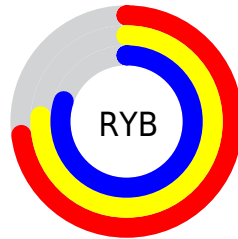
Distribution



Red (73%)

Green (80%)

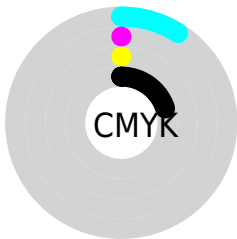
Blue (80%)



Red (73%)

Yellow (76%)

Blue (80%)

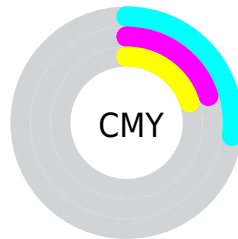


Cyan (9%)

Magenta (0%)

Yellow (0%)

Black (20%)



Cyan (27%)


Magenta (20%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9845, 0.2992, 0.3290 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 57.9845, 0.2992, 0.3290 by changing the saturation by 10% instead.


 57.9845, 0.2992,
0.3290

 57.9845, 0.2992,
0.3290

417.1282, 0.3057,
0.3290

 41.7962, 0.2977,
0.3290


 101.9003, 0.3015,
0.3290

 28.9417, 0.2957,
0.3290


130.3966, 0.3024,
0.3290

 19.0367, 0.2932,
0.3289


163.7643, 0.3031,
0.3290

 11.6968, 0.2898,
0.3288

202.3878, 0.3038,
0.3290

 6.5376, 0.2849,
0.3287

246.6516, 0.3044,
0.3290

 3.1746, 0.2775,
0.3284

296.9399, 0.3049,

 1.2236, 0.2647,

0.3290

0.3278

353.6374, 0.3053,
0.3290

0.0808, 0.0000,
0.2572

0.0000, 0.0000,
0.0000

57.9845, 0.2992,
0.3290

57.9845, 0.2992,
0.3290

55.6103, 0.2847,
0.3290

60.7284, 0.3145,
0.3290

53.5830, 0.2713,
0.3290


63.8491, 0.3303,
0.3290

51.8887, 0.2594,
0.3291


67.3627, 0.3464,
0.3290

50.5095, 0.2490,
0.3291

68.8203, 0.3526,
0.3290


 49.4260, 0.2405,
0.3291


 68.8222, 0.3525,
0.3290


 48.6165, 0.2339,
0.3292


 68.8241, 0.3525,
0.3289


 48.0564, 0.2292,
0.3292

 68.8260, 0.3525,
0.3289

 47.7169, 0.2264,
0.3293

 68.8279, 0.3525,
0.3288

 47.5510, 0.2249,
0.3293

 68.8298, 0.3524,
0.3288

Harmonies

Analogous

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



57.9845, 0.3054, 0.3364



57.9845, 0.2992, 0.3290



57.9845, 0.2966, 0.3217

Triad

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



57.9845, 0.2992, 0.3290



57.9845, 0.3116, 0.3167



57.9845, 0.3274, 0.3414

Complementary

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



57.9845, 0.2992, 0.3290



51.4859, 0.3279, 0.3290

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.



57.9845, 0.3292, 0.3360



57.9845, 0.2992, 0.3290



57.9845, 0.3200, 0.3218

Square

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



57.9845, 0.2992, 0.3290



57.9845, 0.3036, 0.3147



57.9845, 0.3264, 0.3288



57.9845, 0.3217, 0.3436

Rectangle

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



57.9845, 0.2992, 0.3290



57.9845, 0.2972, 0.3179



57.9845, 0.3264, 0.3288



57.9845, 0.3285, 0.3399

Sweetspot

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



57.9869, 0.2992, 0.3290



98.5769, 0.3080, 0.3290



57.2093, 0.3119, 0.3515



21.0202, 0.3068, 0.3290



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.



57.9869, 0.2992, 0.3290



95.0593, 0.2958, 0.3290



53.9548, 0.2991, 0.3182



12.7267, 0.2984, 0.3290



29.9140, 0.2248, 0.3293



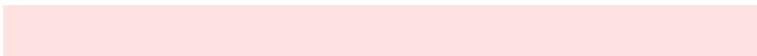
1.5433, 0.2248, 0.3292

Inverse Universe

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



51.4859, 0.3279, 0.3290



81.7171, 0.3324, 0.3290



55.2738, 0.3269, 0.3396



11.2140, 0.3290, 0.3290



8.0807, 0.6398, 0.3298



0.4170, 0.6390, 0.3294

Previews

White Background



This preview shows how the Yxy color 57.9845, 0.2992, 0.3290 looks on a white background.

Color Contrast Check

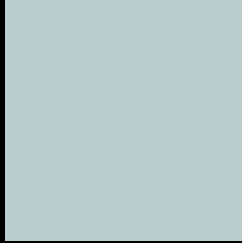
Large Text (above 18pt) WCAG AA × Fail

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 57.9845, 0.2992, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

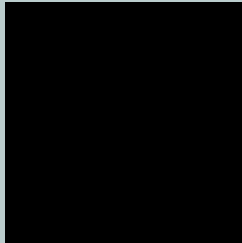
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

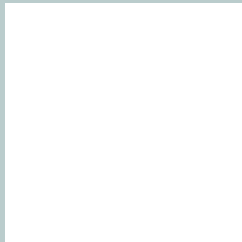
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.9845, 0.2992, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 57.9845, 0.2992, 0.3290.

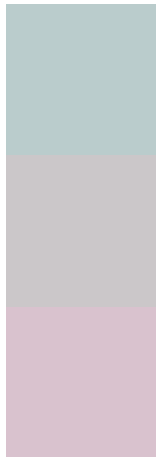


This preview shows how white text looks on a background with the Yxy color 57.9845, 0.2992, 0.3290.

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

57.9845, 0.2992, 0.3290

Protanopia

57.7604, 0.3144, 0.3266

Deuteranopia

57.7915, 0.3222, 0.3153



Tritanopia

57.9944, 0.2913, 0.3099

Trichromacy



Original Color

57.9845, 0.2992, 0.3290

Protanomaly

57.9079, 0.3089, 0.3278

Deuteranomaly

57.9178, 0.3139, 0.3208

Tritanomaly

58.0808, 0.2939, 0.3169

Monochromacy



Original Color

57.9845, 0.2992, 0.3290

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.4597, 0.3073, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9845, 0.2992, 0.3290 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(186, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(186, 204, 204)  
}
```

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(186, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 204, 204) }
```

Border

The CSS property to change the border of an element to Yxy 57.9845, 0.2992, 0.3290 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(186, 204, 204) }
```

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

```
.border{ border-color:rgb(186, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(186, 204,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9845, 0.2992, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 204, 204) }
```

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

```
.background{ background-color: rgb(186,  
204, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor