

Converting Colors

$Y_{xy}(57.7778, 0.2954, 0.2924)$

Have a look what the booklet for
Yxy(57.7778, 0.2954, 0.2924)
contains.

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Color

Yxy(57.7778, 0.2954, 0.2924)

Conversions

Conversions Part 1

Format	Color
Hex	CBC4E4
RGB	203, 196, 228
RGB Percent	80%, 77%, 89%
CMY	0.2039, 0.2314, 0.1060
CMYK	0.11, 0.14, 0.00, 0.11
HSL	253°, 37%, 83%
HSV	253°, 14%, 89%
XYZ	58.3706, 57.7778, 81.4501
YIQ	201.7410, -6.1000, 11.4360

Conversions

Conversions Part 2

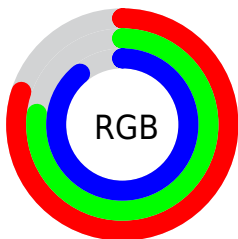
Format	Color
R _Y B	203, 196, 228
Decimal	13354212
CIE Lab	80.62, 8.56, -14.98
CIE LCh	81, 17.248, 299.736
Yxy	57.7778, 0.2954, 0.2924
Android (android.graphics.Color)	4291544292 (0xFFCBC4E4)
YUV	201.7410, 12.9457, 1.1041
Hunter-Lab	76.0117, 4.0525, -10.3238

Details

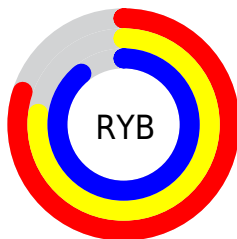
The Yxy color **57.7778, 0.2954, 0.2924** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.8207, 0.3286, 0.3642**, and the grayscale version is **58.8151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **28.7527, 0.2906, 0.2822** is the 20% darker color. If you saturate the color by 10%, you get **45.9078, 0.2809, 0.2629**, and if you desaturate by 10%, it is **71.5021, 0.3081, 0.3191**.

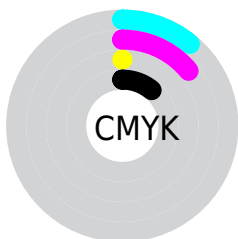
Distribution



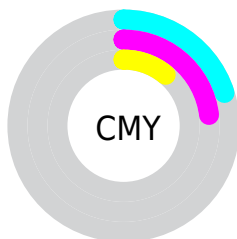
- Red (80%)
- Green (77%)
- Blue (89%)



- Red (80%)
- Yellow (77%)
- Blue (89%)



- Cyan (11%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7778, 0.2954, 0.2924 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 57.7778, 0.2954, 0.2924 by changing the saturation by 10% instead.

■ 57.7778, 0.2954,
0.2924

■ 57.7778, 0.2954,
0.2924

■ 416.3575, 0.3038,
0.3097

■ 41.6300, 0.2934,
0.2884

■ 101.5992, 0.2984,
0.2985

■ 28.8117, 0.2908,
0.2834

■ 130.0417, 0.2996,
0.3008

■ 18.9384, 0.2875,
0.2770

■ 163.3511, 0.3005,
0.3028

■ 11.6258, 0.2830,
0.2685

■ 201.9120, 0.3014,
0.3045

■ 6.4894, 0.2765,
0.2567

■ 246.1087, 0.3021,
0.3061

■ 3.1449, 0.2667,
0.2395

■ 296.3255, 0.3027,

■ 1.2078, 0.2499,

0.3074

0.2119

352.9470, 0.3033,
0.3086

0.0681, 0.1859,
0.0463

0.0000, 0.0000,
0.0000

57.7778, 0.2954,
0.2924

57.7778, 0.2954,
0.2924

45.9078, 0.2809,
0.2629

71.5021, 0.3081,
0.3191

35.8048, 0.2646,
0.2311

87.1483, 0.3191,
0.3429

27.3855, 0.2469,
0.1978

98.3796, 0.3286,
0.3552

20.5567, 0.2283,
0.1646

■ 15.2162, 0.2098,
0.1332

■ 11.2495, 0.1924,
0.1060

■ 8.5250, 0.1774,
0.0849

■ 6.8841, 0.1658,
0.0711

■ 6.2773, 0.1606,
0.0658

Harmonies

Analogous

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



57.7778, 0.2783, 0.2930



57.7778, 0.2954, 0.2924



57.7778, 0.3177, 0.3008

Triad

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



57.7778, 0.2954, 0.2924



57.7778, 0.3569, 0.3529



57.7778, 0.2863, 0.3419

Complementary

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



57.7778, 0.2954, 0.2924



74.8207, 0.3286, 0.3642

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.



57.7778, 0.3066, 0.3598



57.7778, 0.2954, 0.2924



57.7778, 0.3477, 0.3656

Square

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



57.7778, 0.2954, 0.2924



57.7778, 0.3539, 0.3349



57.7778, 0.3291, 0.3685



57.7778, 0.2732, 0.3208

Rectangle

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



57.7778, 0.2954, 0.2924



57.7778, 0.3326, 0.3104



57.7778, 0.3291, 0.3685



57.7778, 0.2925, 0.3486

Sweetspot

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



57.7802, 0.2954, 0.2924



92.1846, 0.3081, 0.3191



69.0715, 0.2912, 0.3211



19.4264, 0.3072, 0.3172



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.



57.7802, 0.2954, 0.2924



69.5285, 0.2911, 0.2836



60.1283, 0.3074, 0.2937



14.0387, 0.3014, 0.3049



3.6685, 0.1617, 0.0664



0.3114, 0.1756, 0.0741

Inverse Universe

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



61.1893, 0.3195, 0.3018



74.7951, 0.3212, 0.2956



72.4426, 0.3173, 0.3654



14.5583, 0.3171, 0.3108



11.3990, 0.3853, 0.1896



0.8558, 0.3741, 0.1834

Previews

White Background



This preview shows how the Yxy color 57.7778, 0.2954, 0.2924 looks on a white background.

Color Contrast Check

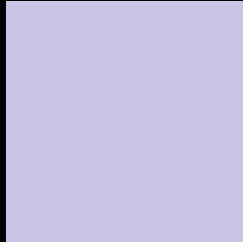
Large Text (above 18pt) WCAG AA × Fail

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 57.7778, 0.2954, 0.2924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

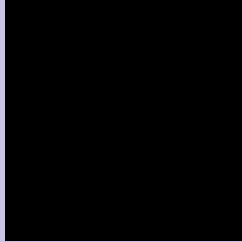
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.7778, 0.2954, 0.2924

Background



This preview shows how black text looks on a background with the Yxy color 57.7778, 0.2954, 0.2924.



This preview shows how white text looks on a background with the Yxy color 57.7778, 0.2954, 0.2924.

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

57.7778, 0.2954, 0.2924

Protanopia

57.7034, 0.2883, 0.2919

Deuteranopia

57.7535, 0.2976, 0.2914



Tritanopia

57.6607, 0.3036, 0.3102

Trichromacy



Original Color

57.7778, 0.2954, 0.2924

Protanomaly

57.5954, 0.2910, 0.2920

Deuteranomaly

57.6108, 0.2968, 0.2914

Tritanomaly

57.6035, 0.3008, 0.3034

Monochromacy



Original Color

57.7778, 0.2954, 0.2924

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

58.5683, 0.3064, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7778, 0.2954, 0.2924 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(203, 196, 228)` looks like.

```
.text, #text, p{  
    color:rgb(203, 196, 228)  
}
```

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(203, 196, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 196, 228) }
```

Border

The CSS property to change the border of an element to Yxy 57.7778, 0.2954, 0.2924 is called "border". The border property can be set on classes, ids or directly on the HTML element.

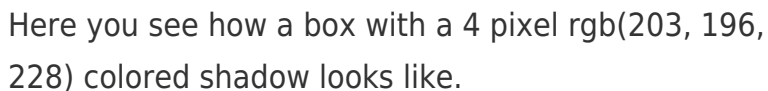
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 196, 228) }
```

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

```
.border{ border-color:rgb(203, 196, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 196, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 196, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 196, 228); box-shadow:4px 4px 4px 4px rgb(203, 196, 228) }
```


Background

The CSS property to change the background color of an element to `rgb(57.7778, 0.2954, 0.2924)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 196, 228) }
```

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

```
.background{ background-color: rgb(203,  
196, 228) }
```

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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