

Converting Colors

$Y_{xy}(53.1721, 0.3038, 0.2951)$

Have a look what the booklet for
Yxy(53.1721, 0.3038, 0.2951)
contains.

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Color

Yxy(53.1950, 0.3038, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	CBBBD8
RGB	203, 187, 216
RGB Percent	80%, 73%, 85%
CMY	0.2041, 0.2666, 0.1529
CMYK	0.06, 0.13, 0.00, 0.15
HSL	273°, 27%, 79%
HSV	273°, 13%, 85%
XYZ	54.7818, 53.1950, 72.3452
YIQ	195.0900, 0.2270, 12.4110

Conversions

Conversions Part 2

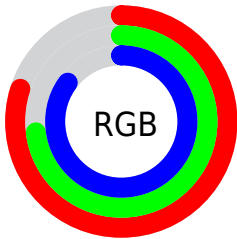
Format	Color
R _Y B	203, 187, 216
Decimal	13351896
CIE Lab	77.99, 10.98, -12.47
CIE LCh	78, 16.611, 311.355
Yxy	53.1950, 0.3038, 0.2950
Android (android.graphics.Color)	4291541976 (0xFFCBBBD8)
YUV	195.0900, 10.3086, 6.9371
Hunter-Lab	72.9349, 6.4363, -7.7562

Details

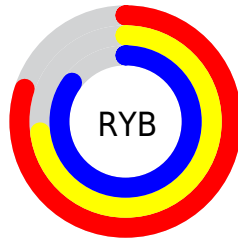
The Yxy color **53.1950, 0.3038, 0.2950** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.9908, 0.3207, 0.3633**, and the grayscale version is **54.5645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5812, 0.3133, 0.3175**, and **26.0130, 0.3017, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **43.3866, 0.2958, 0.2675**, and if you desaturate by 10%, it is **64.4722, 0.3106, 0.3207**.

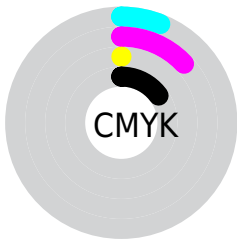
Distribution



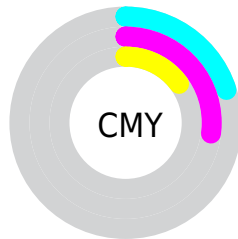
- Red (80%)
- Green (73%)
- Blue (85%)



- Red (80%)
- Yellow (73%)
- Blue (85%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)





- Cyan (20%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1950, 0.3038, 0.2950 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 53.1950, 0.3038, 0.2950 by changing the saturation by 10% instead.


 53.1950, 0.3038,
0.2950

 53.1950, 0.3038,
0.2950

399.0328, 0.3083,
0.3113

 37.9585, 0.3027,
0.2912


 94.8912, 0.3054,
0.3007

 25.9505, 0.3012,
0.2863


122.1197, 0.3060,
0.3029

 16.7866, 0.2993,
0.2801


154.1143, 0.3066,
0.3048

 10.0824, 0.2967,
0.2718

191.2595, 0.3070,
0.3065

 5.4537, 0.2927,
0.2601

233.9395, 0.3074,
0.3079

 2.5158, 0.2863,
0.2426

282.5388, 0.3077,

 0.8845, 0.2745,

0.3091

0.2134

337.4417, 0.3080,
0.3103

■ 0.0000, 0.0823,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.1950, 0.3038,
0.2950

■ 53.1950, 0.3038,
0.2950

■ 43.3866, 0.2958,
0.2675

■ 64.4722, 0.3106,
0.3207

■ 34.9772, 0.2866,
0.2388

■ 77.2703, 0.3164,
0.3443

■ 27.9016, 0.2764,
0.2096

■ 91.6474, 0.3212,
0.3658

■ 22.0865, 0.2651,
0.1811

■ 95.3327, 0.3272,
0.3681

■ 17.4511, 0.2532,
0.1546

■ 97.0997, 0.3335,
0.3674

■ 13.9052, 0.2411,
0.1316

■ 97.7379, 0.3358,
0.3671

■ 11.3448, 0.2292,
0.1131

■ 9.6445, 0.2181,
0.1001

■ 8.8570, 0.2113,
0.0938

Harmonies

Analogous

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



53.1950, 0.2843, 0.2920



53.1950, 0.3038, 0.2950



53.1950, 0.3264, 0.3063

Triad

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



53.1950, 0.3038, 0.2950



53.1950, 0.3543, 0.3585



53.1950, 0.2805, 0.3337

Complementary

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



53.1950, 0.3038, 0.2950



64.9908, 0.3207, 0.3633

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.



53.1950, 0.2983, 0.3535



53.1950, 0.3038, 0.2950



53.1950, 0.3410, 0.3676

Square

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



53.1950, 0.3038, 0.2950



53.1950, 0.3561, 0.3421



53.1950, 0.3204, 0.3661



53.1950, 0.2712, 0.3134

Rectangle

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



53.1950, 0.3038, 0.2950



53.1950, 0.3400, 0.3171



53.1950, 0.3204, 0.3661



53.1950, 0.2856, 0.3407

Sweetspot

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



53.1973, 0.3038, 0.2950



92.8026, 0.3102, 0.3192



57.0875, 0.2918, 0.3104



19.5825, 0.3098, 0.3173



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.



53.1973, 0.3038, 0.2950



73.3531, 0.3017, 0.2876



55.0577, 0.3150, 0.2971



12.3416, 0.3067, 0.3055



5.3074, 0.2128, 0.0946



0.3690, 0.2307, 0.1045

Inverse Universe

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



54.3235, 0.3267, 0.3139



75.3138, 0.3300, 0.3107



63.3099, 0.3104, 0.3631



12.5129, 0.3221, 0.3185



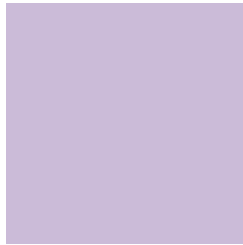
9.1766, 0.5155, 0.2614



0.5700, 0.4734, 0.2381

Previews

White Background



This preview shows how the Yxy color 53.1950, 0.3038, 0.2950 looks on a white background.

Color Contrast Check

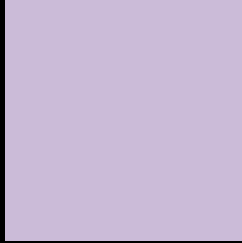
Large Text (above 18pt) WCAG AA × Fail

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 53.1950, 0.3038, 0.2950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

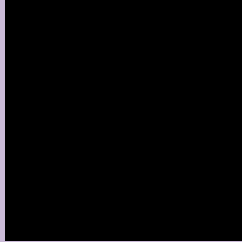
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.1950, 0.3038, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 53.1950, 0.3038, 0.2950.



This preview shows how white text looks on a background with the Yxy color 53.1950, 0.3038, 0.2950.

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

53.1950, 0.3038, 0.2950

Protanopia

53.1949, 0.2909, 0.2953

Deuteranopia

53.3418, 0.3023, 0.2960



Tritanopia

53.1723, 0.3111, 0.3111

Trichromacy



Original Color

53.1950, 0.3038, 0.2950

Protanomaly

53.3582, 0.2954, 0.2956

Deuteranomaly

53.4809, 0.3030, 0.2961

Tritanomaly

53.0771, 0.3090, 0.3052

Monochromacy



Original Color

53.1950, 0.3038, 0.2950

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.0168, 0.3093, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1950, 0.3038, 0.2950 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, 187, 216)` looks like.

```
.text, #text, p{  
    color:rgb(203, 187, 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(203, 187, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 187, 216) }
```

Border

The CSS property to change the border of an element to Yxy 53.1950, 0.3038, 0.2950 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, 187, 216) }
```

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

```
.border{ border-color:rgb(203, 187, 216) }
```

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

Here you see how a box with a 4 pixel rgb(203, 187, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 187, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 187, 216);  
box-shadow:4px 4px 4px 4px rgb(203, 187,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1950, 0.3038, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 187, 216) }
```

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

```
.background{ background-color: rgb(203,  
187, 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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