

Converting Colors

$Y_{xy}(50.1365, 0.2981, 0.3034)$

Have a look what the booklet for
Yxy(50.1365, 0.2981, 0.3034)
contains.

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Color

Yxy(50.1876, 0.2978, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	BBBACF
RGB	187, 186, 207
RGB Percent	73%, 73%, 81%
CMY	0.2664, 0.2706, 0.1882
CMYK	0.10, 0.10, 0.00, 0.19
HSL	243°, 18%, 77%
HSV	243°, 10%, 81%
XYZ	49.3263, 50.1876, 66.1217
YIQ	188.6930, -6.1450, 6.7430

Conversions

Conversions Part 2

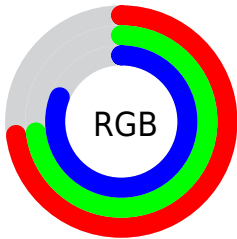
Format	Color
R_YB	187, 186, 207
Decimal	12303055
CIE _{Lab}	76.18, 4.46, -10.43
CIE _{LCh}	76, 11.341, 293.159
Yxy	50.1876, 0.2978, 0.3030
Android (android.graphics.Color)	4290493135 (0xFFBBBACF)
YUV	188.6930, 9.0254, -1.4848
Hunter-Lab	70.8432, 0.3093, -5.7483

Details

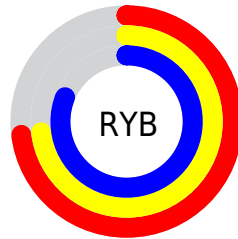
The Yxy color **50.1876, 0.2978, 0.3030** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.2847, 0.3269, 0.3539**, and the grayscale version is **50.6603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7789, 0.3056, 0.3162**, and **24.1433, 0.2936, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **39.7800, 0.2811, 0.2741**, and if you desaturate by 10%, it is **62.2017, 0.3125, 0.3286**.

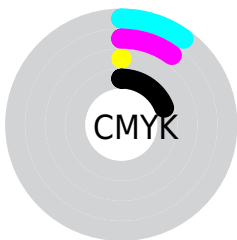
Distribution



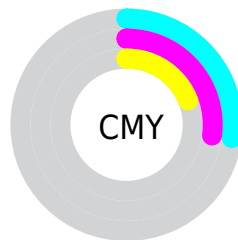
- Red (73%)
- Green (73%)
- Blue (81%)



- Red (73%)
- Yellow (73%)
- Blue (81%)



- Cyan (10%)
- Magenta (10%)
- Yellow (0%)
- Black (19%)



- Cyan (27%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1876, 0.2978, 0.3030 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 50.1876, 0.2978, 0.3030 by changing the saturation by 10% instead.

■ 50.1876, 0.2978,
0.3030

■ 50.1876, 0.2978,
0.3030

387.3991, 0.3052,
0.3157

■ 35.5625, 0.2960,
0.2999

■ 90.4528, 0.3005,
0.3075

■ 24.0965, 0.2936,
0.2960

116.8616, 0.3015,
0.3093

■ 15.4052, 0.2906,
0.2909

147.9672, 0.3023,
0.3107

■ 9.1043, 0.2863,
0.2840

184.1538, 0.3031,
0.3120

■ 4.8093, 0.2801,
0.2740

225.8059, 0.3037,
0.3131

■ 2.1358, 0.2700,
0.2584

273.3079, 0.3043,

■ 0.6846, 0.2520,

0.3141

0.2272

327.0442, 0.3048,
0.3149

0.0000, 0.0000,
0.0000

50.1876, 0.2978,
0.3030

50.1876, 0.2978,
0.3030

39.7800, 0.2811,
0.2741

62.2017, 0.3125,
0.3286

30.9048, 0.2624,
0.2421

75.8797, 0.3253,
0.3510

23.4916, 0.2423,
0.2079

91.2838, 0.3362,
0.3704

17.4619, 0.2214,
0.1728

97.2853, 0.3412,
0.3760

12.7298, 0.2010,
0.1389

■ 9.2001, 0.1825,
0.1087

■ 6.7642, 0.1674,
0.0848

■ 5.2942, 0.1570,
0.0690

■ 4.5737, 0.1514,
0.0608

Harmonies

Analogous

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



50.1876, 0.2870, 0.3051



50.1876, 0.2978, 0.3030



50.1876, 0.3128, 0.3075

Triad

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



50.1876, 0.2978, 0.3030



50.1876, 0.3433, 0.3433



50.1876, 0.2973, 0.3409

Complementary

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



50.1876, 0.2978, 0.3030



61.2847, 0.3269, 0.3539

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.



50.1876, 0.3121, 0.3519



50.1876, 0.2978, 0.3030



50.1876, 0.3389, 0.3529

Square

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



50.1876, 0.2978, 0.3030



50.1876, 0.3394, 0.3304



50.1876, 0.3273, 0.3562



50.1876, 0.2867, 0.3267

Rectangle

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



50.1876, 0.2978, 0.3030



50.1876, 0.3232, 0.3136



50.1876, 0.3273, 0.3562



50.1876, 0.3019, 0.3451

Sweetspot

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



50.1897, 0.2978, 0.3030



93.8651, 0.3085, 0.3216



59.0634, 0.2972, 0.3277



19.7489, 0.3073, 0.3196



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.



50.1897, 0.2978, 0.3030



76.9100, 0.2946, 0.2975



51.5614, 0.3062, 0.3037



11.4461, 0.2990, 0.3050



2.8940, 0.1518, 0.0610



0.1722, 0.1575, 0.0641

Inverse Universe

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



52.8308, 0.3147, 0.3055



81.9061, 0.3151, 0.3008



59.8344, 0.3187, 0.3545



11.9982, 0.3146, 0.3072



10.8848, 0.3341, 0.1614



0.6119, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 50.1876, 0.2978, 0.3030 looks on a white background.

Color Contrast Check

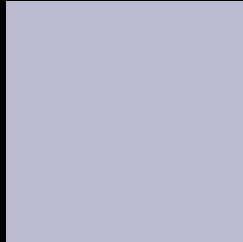
Large Text (above 18pt) WCAG AA × Fail

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 50.1876, 0.2978, 0.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

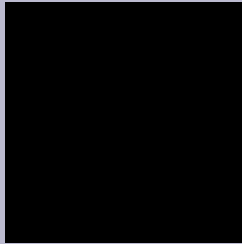
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1876, 0.2978, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 50.1876, 0.2978, 0.3030.



This preview shows how white text looks on a background with the Yxy color 50.1876, 0.2978, 0.3030.

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

50.1876, 0.2978, 0.3030

Protanopia

49.9371, 0.2962, 0.3029

Deuteranopia

50.2914, 0.3051, 0.2988



Tritanopia

50.2440, 0.3006, 0.3103

Trichromacy



Original Color

50.1876, 0.2978, 0.3030

Protanomaly

50.0619, 0.2970, 0.3030

Deuteranomaly

50.1725, 0.3018, 0.2997

Tritanomaly

50.3394, 0.2992, 0.3078

Monochromacy



Original Color

50.1876, 0.2978, 0.3030

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.6433, 0.3067, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1876, 0.2978, 0.3030 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, 186, 207)` looks like.

```
.text, #text, p{  
    color:rgb(187, 186, 207)  
}
```

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, 186, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 186, 207) }
```

Border

The CSS property to change the border of an element to Yxy 50.1876, 0.2978, 0.3030 is called "border". The border property can be set on classes, ids or directly on the HTML element.

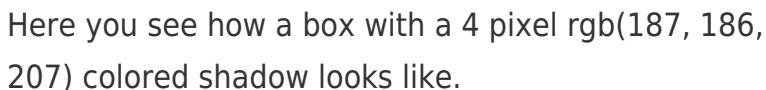
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 186, 207) }
```

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

```
.border{ border-color:rgb(187, 186, 207) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 186, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 186, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 186, 207); box-shadow:4px 4px 4px 4px rgb(187, 186, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1876, 0.2978, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 186, 207) }
```

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

```
.background{ background-color: rgb(187,  
186, 207) }
```

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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