

Converting Colors

$Y_{xy}(50.8158, 0.2676, 0.2637)$

Have a look what the booklet for
Yxy(50.8158, 0.2676, 0.2637)
contains.

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Color

Yxy(50.8158, 0.2676, 0.2637)

Conversions

Conversions Part 1

Format	Color
Hex	B1BAF1
RGB	177, 186, 241
RGB Percent	69%, 73%, 95%
CMY	0.3059, 0.2706, 0.0548
CMYK	0.27, 0.23, 0.00, 0.05
HSL	232°, 70%, 82%
HSV	232°, 27%, 95%
XYZ	51.5673, 50.8158, 90.3199
YIQ	189.5790, -23.0190, 15.1970

Conversions

Conversions Part 2

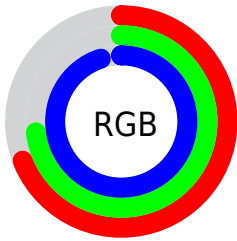
Format	Color
R_{YB}	177, 185, 241
Decimal	11647729
CIE Lab	76.57, 8.80, -28.32
CIE LCh	77, 29.657, 287.270
Yxy	50.8158, 0.2676, 0.2637
Android (android.graphics.Color)	4289837809 (0xFFB1BAF1)
YUV	189.5790, 25.3506, -11.0318
Hunter-Lab	71.2852, 4.3769, -25.2221

Details

The Yxy color **50.8158, 0.2676, 0.2637** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.5916, 0.3551, 0.3868**, and the grayscale version is **51.1003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2167, 0.2999, 0.3160**, and **24.4888, 0.2554, 0.2471** is the 20% darker color. If you saturate the color by 10%, you get **40.1307, 0.2480, 0.2342**, and if you desaturate by 10%, it is **63.2692, 0.2859, 0.2907**.

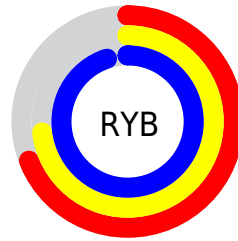
Distribution



Red (69%)

Green (73%)

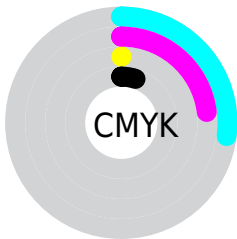
Blue (95%)



Red (69%)

Yellow (73%)

Blue (95%)

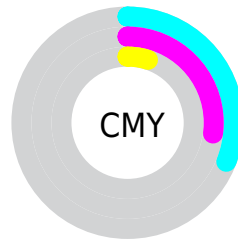


Cyan (27%)

Magenta (23%)

Yellow (0%)

Black (5%)



Cyan (31%)

Magenta (27%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8158, 0.2676, 0.2637 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 50.8158, 0.2676, 0.2637 by changing the saturation by 10% instead.

■ 50.8158, 0.2676,
0.2637

■ 50.8158, 0.2676,
0.2637

■ 389.8477, 0.2897,
0.2948

■ 36.0620, 0.2623,
0.2565

■ 91.3824, 0.2755,
0.2746

■ 24.4821, 0.2556,
0.2475

■ 117.9641, 0.2785,
0.2788

■ 15.6916, 0.2470,
0.2360

■ 149.2572, 0.2810,
0.2824

■ 9.3062, 0.2354,
0.2209

■ 185.6461, 0.2832,
0.2855

■ 4.9414, 0.2191,
0.2003

■ 227.5152, 0.2852,
0.2883

■ 2.2129, 0.1951,
0.1710

■ 275.2489, 0.2868,

■ 0.7270, 0.1573,

0.2907

0.1260

329.2316, 0.2883,
0.2928

0.0000, 0.0000,
0.0000

50.8158, 0.2676,
0.2637

50.8158, 0.2676,
0.2637

40.1307, 0.2480,
0.2342

63.2692, 0.2859,
0.2907

31.1274, 0.2278,
0.2028

77.5601, 0.3027,
0.3148

23.7211, 0.2078,
0.1708

93.7613, 0.3177,
0.3360

17.8173, 0.1893,
0.1399

99.1317, 0.3208,
0.3424

13.3110, 0.1736,
0.1122

■ 10.0834, 0.1617,
0.0896

■ 7.9941, 0.1544,
0.0736

■ 7.4917, 0.1527,
0.0695

Harmonies

Analogous

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



50.8158, 0.2445, 0.2703



50.8158, 0.2676, 0.2637



50.8158, 0.3038, 0.2725

Triad

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



50.8158, 0.2676, 0.2637



50.8158, 0.3931, 0.3568



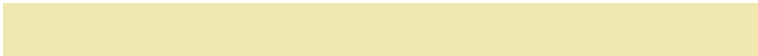
50.8158, 0.2789, 0.3678

Complementary

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



50.8158, 0.2676, 0.2637



79.5916, 0.3551, 0.3868

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.



50.8158, 0.3175, 0.3953



50.8158, 0.2676, 0.2637



50.8158, 0.3845, 0.3853

Square

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



50.8158, 0.2676, 0.2637



50.8158, 0.3783, 0.3240



50.8158, 0.3563, 0.4008



50.8158, 0.2506, 0.3288

Rectangle

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



50.8158, 0.2676, 0.2637



50.8158, 0.3313, 0.2857



50.8158, 0.3563, 0.4008



50.8158, 0.2911, 0.3790

Sweetspot

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



50.8178, 0.2676, 0.2637



85.6561, 0.3003, 0.3114



78.0580, 0.2789, 0.3398



17.7901, 0.2979, 0.3079



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.



50.8178, 0.2676, 0.2637



50.8005, 0.2569, 0.2476



49.9900, 0.2831, 0.2561



15.5876, 0.2980, 0.3081



4.1759, 0.1531, 0.0712



0.4579, 0.1585, 0.0905

Inverse Universe

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



53.6900, 0.3619, 0.3193



54.7988, 0.3762, 0.3171



81.0922, 0.3370, 0.3990



15.7951, 0.3271, 0.3257



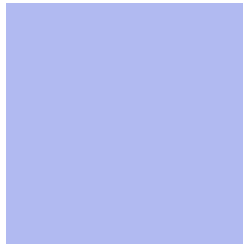
10.2149, 0.6212, 0.3196



0.8609, 0.5904, 0.3026

Previews

White Background



This preview shows how the Yxy color 50.8158, 0.2676, 0.2637 looks on a white background.

Color Contrast Check

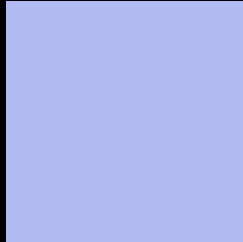
Large Text (above 18pt) WCAG AA × Fail

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 50.8158, 0.2676, 0.2637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

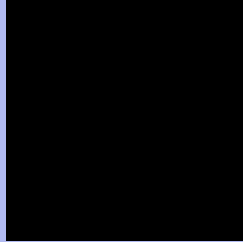
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8158, 0.2676, 0.2637

Background



This preview shows how black text looks on a background with the Yxy color 50.8158, 0.2676, 0.2637.



This preview shows how white text looks on a background with the Yxy color 50.8158, 0.2676, 0.2637.

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

50.8158, 0.2676, 0.2637

Protanopia

51.0055, 0.2664, 0.2647

Deuteranopia

50.6325, 0.2689, 0.2627



Tritanopia

50.7503, 0.2850, 0.3098

Trichromacy



Original Color

50.8158, 0.2676, 0.2637

Protanomaly

51.1216, 0.2670, 0.2648

Deuteranomaly

50.5138, 0.2682, 0.2626

Tritanomaly

50.8256, 0.2791, 0.2929

Monochromacy



Original Color

50.8158, 0.2676, 0.2637

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.3129, 0.2948, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8158, 0.2676, 0.2637 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(177, 186, 241)` looks like.

```
.text, #text, p{  
    color:rgb(177, 186, 241)  
}
```

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(177, 186, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 186, 241) }
```

Border

The CSS property to change the border of an element to Yxy 50.8158, 0.2676, 0.2637 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(177, 186, 241) }
```

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

```
.border{ border-color:rgb(177, 186, 241) }
```

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

Here you see how a box with a 4 pixel rgb(177, 186, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 186, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 186, 241);  
box-shadow:4px 4px 4px 4px rgb(177, 186,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8158, 0.2676, 0.2637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 186, 241) }
```

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

```
.background{ background-color: rgb(177,  
186, 241) }
```

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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