

Converting Colors

$Y_{xy}(46.9765, 0.2959, 0.2999)$

Have a look what the booklet for
Yxy(46.9765, 0.2959, 0.2999)
contains.

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Color

Yxy(46.7781, 0.2958, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	B5B4CB
RGB	181, 180, 203
RGB Percent	71%, 71%, 80%
CMY	0.2903, 0.2941, 0.2039
CMYK	0.11, 0.11, 0.00, 0.20
HSL	243°, 18%, 75%
HSV	243°, 11%, 80%
XYZ	46.1540, 46.7781, 63.0989
YIQ	182.9210, -6.7870, 7.3650

Conversions

Conversions Part 2

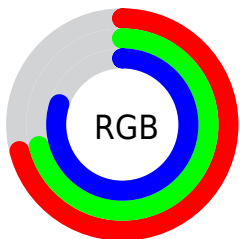
Format	Color
R _Y B	181, 180, 203
Decimal	11908299
CIE Lab	74.05, 4.86, -11.49
CIE LCh	74, 12.477, 292.948
Yxy	46.7781, 0.2958, 0.2998
Android (android.graphics.Color)	4290098379 (0xFFB5B4CB)
YUV	182.9210, 9.8989, -1.6847
Hunter-Lab	68.3945, 0.7649, -6.8232

Details

The Yxy color $46.7781, 0.2958, 0.2998$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $58.5709, 0.3287, 0.3568$, and the grayscale version is $47.2558, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.2154, 0.3019, 0.3100$, and $21.9379, 0.2908, 0.2911$ is the 20% darker color. If you saturate the color by 10%, you get $36.9864, 0.2787, 0.2705$, and if you desaturate by 10%, it is $58.1021, 0.3109, 0.3258$.

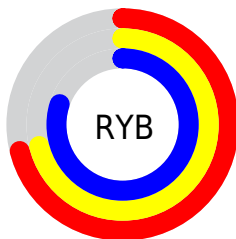
Distribution



Red (71%)

Green (71%)

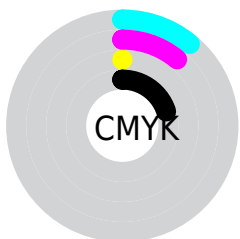
Blue (80%)



Red (71%)

Yellow (71%)

Blue (80%)

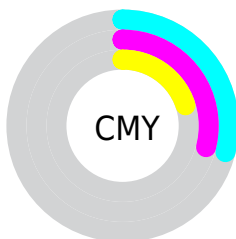


Cyan (11%)

Magenta (11%)

Yellow (0%)

Black (20%)



Cyan (29%)

Magenta (29%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7781, 0.2958, 0.2998 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 46.7781, 0.2958, 0.2998 by changing the saturation by 10% instead.

■ 46.7781, 0.2958,
0.2998

■ 46.7781, 0.2958,
0.2998

373.9281, 0.3043,
0.3142

■ 32.8603, 0.2937,
0.2963

■ 85.3823, 0.2989,
0.3050

■ 22.0194, 0.2909,
0.2918

110.8375, 0.3000,
0.3069

■ 13.8712, 0.2873,
0.2859

140.9072, 0.3010,
0.3086

■ 8.0311, 0.2822,
0.2777

175.9759, 0.3019,
0.3100

■ 4.1149, 0.2747,
0.2659

216.4279, 0.3026,
0.3113

■ 1.7380, 0.2623,
0.2471

262.6477, 0.3032,

■ 0.4481, 0.2345,

0.3124

0.1930

315.0196, 0.3038,
0.3133

0.0000, 0.0000,
0.0000

46.7781, 0.2958,
0.2998

46.7781, 0.2958,
0.2998

36.9864, 0.2787,
0.2705

58.1021, 0.3109,
0.3258

28.6555, 0.2597,
0.2382

71.0140, 0.3240,
0.3485

21.7173, 0.2394,
0.2038

85.5739, 0.3352,
0.3682

16.0958, 0.2184,
0.1686

97.0920, 0.3436,
0.3800

11.7078, 0.1980,
0.1350

■ 8.4604, 0.1799,
0.1054

■ 6.2478, 0.1654,
0.0824

■ 4.9445, 0.1558,
0.0675

■ 4.3675, 0.1512,
0.0606

Harmonies

Analogous

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



46.7781, 0.2838, 0.3021



46.7781, 0.2958, 0.2998



46.7781, 0.3126, 0.3048

Triad

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



46.7781, 0.2958, 0.2998



46.7781, 0.3473, 0.3449



46.7781, 0.2954, 0.3425

Complementary

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



46.7781, 0.2958, 0.2998



58.5709, 0.3287, 0.3568

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.



46.7781, 0.3121, 0.3549



46.7781, 0.2958, 0.2998



46.7781, 0.3422, 0.3558

Square

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



46.7781, 0.2958, 0.2998



46.7781, 0.3427, 0.3304



46.7781, 0.3292, 0.3597



46.7781, 0.2836, 0.3265

Rectangle

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



46.7781, 0.2958, 0.2998



46.7781, 0.3244, 0.3117



46.7781, 0.3292, 0.3597



46.7781, 0.3006, 0.3473

Sweetspot

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



46.7801, 0.2958, 0.2998



93.8527, 0.3084, 0.3216



56.3696, 0.2955, 0.3280



19.7456, 0.3073, 0.3195



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.



46.7801, 0.2958, 0.2998



73.3823, 0.2911, 0.2918



48.2006, 0.3050, 0.3006



10.8663, 0.2989, 0.3051



2.7893, 0.1515, 0.0608



0.1520, 0.1565, 0.0636

Inverse Universe

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



49.6093, 0.3148, 0.3025



79.2027, 0.3153, 0.2957



57.0528, 0.3197, 0.3575



11.3952, 0.3144, 0.3071



10.5739, 0.3317, 0.1601



0.5481, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 46.7781, 0.2958, 0.2998 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 46.7781, 0.2958, 0.2998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

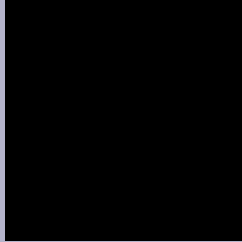
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

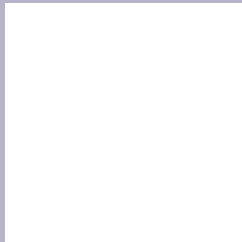
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7781, 0.2958, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 46.7781, 0.2958, 0.2998.

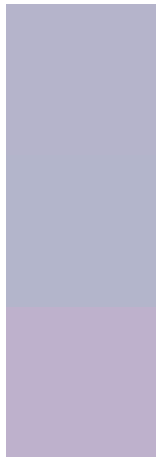


This preview shows how white text looks on a background with the Yxy color 46.7781, 0.2958, 0.2998.

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

46.7781, 0.2958, 0.2998

Protanopia

46.9432, 0.2942, 0.3010

Deuteranopia

46.7511, 0.3024, 0.2955



Tritanopia

46.7366, 0.3003, 0.3097

Trichromacy



Original Color

46.7781, 0.2958, 0.2998

Protanomaly

47.0628, 0.2950, 0.3010

Deuteranomaly

46.7652, 0.2999, 0.2965

Tritanomaly

46.8746, 0.2980, 0.3060

Monochromacy



Original Color

46.7781, 0.2958, 0.2998

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.1187, 0.3065, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7781, 0.2958, 0.2998 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(181, 180, 203)` looks like.

```
.text, #text, p{  
    color:rgb(181, 180, 203)  
}
```

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(181, 180, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 180, 203) }
```

Border

The CSS property to change the border of an element to Yxy 46.7781, 0.2958, 0.2998 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(181, 180, 203) }
```

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

```
.border{ border-color:rgb(181, 180, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 180, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 180, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 180, 203);  
box-shadow:4px 4px 4px 4px rgb(181, 180,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7781, 0.2958, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 180, 203) }
```

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

```
.background{ background-color: rgb(181,  
180, 203) }
```

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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