

Converting Colors

$Y_{xy}(46.8600, 0.3005, 0.3094)$

Have a look what the booklet for
Yxy(46.8600, 0.3005, 0.3094)
contains.

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Color

Yxy(46.8570, 0.3011, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	B5B5C4
RGB	181, 181, 196
RGB Percent	71%, 71%, 77%
CMY	0.2902, 0.2902, 0.2315
CMYK	0.08, 0.08, 0.00, 0.23
HSL	240°, 11%, 74%
HSV	240°, 8%, 77%
XYZ	45.5411, 46.8570, 58.8511
YIQ	182.7100, -4.8150, 4.6650

Conversions

Conversions Part 2

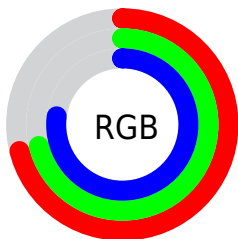
Format	Color
R _Y B	181, 181, 196
Decimal	11908548
CIE Lab	74.10, 2.90, -7.57
CIE LCh	74, 8.109, 290.949
Yxy	46.8570, 0.3011, 0.3098
Android (android.graphics.Color)	4290098628 (0xFFB5B5C4)
YUV	182.7100, 6.5520, -1.4997
Hunter-Lab	68.4522, -1.0355, -3.0575

Details

The Yxy color $46.8570, 0.3011, 0.3098$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.5330, 0.3239, 0.3475$, and the grayscale version is $47.1526, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6647, 0.3030, 0.3130$, and $21.9805, 0.2979, 0.3045$ is the 20% darker color. If you saturate the color by 10%, you get $37.2392, 0.2841, 0.2817$, and if you desaturate by 10%, it is $57.9322, 0.3161, 0.3345$.

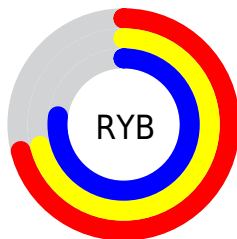
Distribution



Red (71%)

Green (71%)

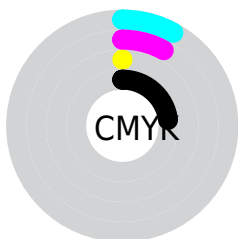
Blue (77%)



Red (71%)

Yellow (71%)

Blue (77%)

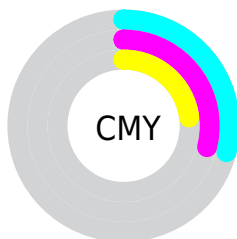


Cyan (8%)

Magenta (8%)

Yellow (0%)

Black (23%)



Cyan (29%)

Magenta (29%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8570, 0.3011, 0.3098 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 46.8570, 0.3011, 0.3098 by changing the saturation by 10% instead.

■ 46.8570, 0.3011,
0.3098

■ 46.8570, 0.3011,
0.3098

374.2434, 0.3069,
0.3193

■ 32.9226, 0.2996,
0.3074

■ 85.5001, 0.3032,
0.3132

■ 22.0672, 0.2978,
0.3044

110.9777, 0.3040,
0.3145

■ 13.9063, 0.2953,
0.3005

141.0717, 0.3047,
0.3156

■ 8.0555, 0.2918,
0.2950

176.1667, 0.3053,
0.3166

■ 4.1305, 0.2866,
0.2868

216.6469, 0.3058,
0.3174

■ 1.7468, 0.2779,
0.2737

262.8969, 0.3062,

■ 0.4537, 0.2535,

0.3181

0.2291

315.3009, 0.3066,
0.3188

0.0000, 0.0000,
0.0000

46.8570, 0.3011,
0.3098

46.8570, 0.3011,
0.3098

37.2392, 0.2841,
0.2817

57.9322, 0.3161,
0.3345

29.0125, 0.2651,
0.2503

70.5156, 0.3291,
0.3560

22.1144, 0.2445,
0.2162

84.6630, 0.3402,
0.3745

16.4753, 0.2231,
0.1808

96.7642, 0.3478,
0.3870

12.0191, 0.2020,
0.1460

■ 8.6617, 0.1830,
0.1145

■ 6.3079, 0.1674,
0.0889

■ 4.8463, 0.1568,
0.0712

■ 4.1160, 0.1511,
0.0617

Harmonies

Analogous

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



46.8570, 0.2934, 0.3118



46.8570, 0.3011, 0.3098



46.8570, 0.3120, 0.3128

Triad

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



46.8570, 0.3011, 0.3098



46.8570, 0.3351, 0.3390



46.8570, 0.3021, 0.3384

Complementary

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



46.8570, 0.3011, 0.3098



54.5330, 0.3239, 0.3475

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.



46.8570, 0.3132, 0.3460



46.8570, 0.3011, 0.3098



46.8570, 0.3323, 0.3462

Square

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



46.8570, 0.3011, 0.3098



46.8570, 0.3317, 0.3294



46.8570, 0.3242, 0.3489



46.8570, 0.2941, 0.3282

Rectangle

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



46.8570, 0.3011, 0.3098



46.8570, 0.3196, 0.3171



46.8570, 0.3242, 0.3489



46.8570, 0.3056, 0.3414

Sweetspot

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



46.8590, 0.3011, 0.3098



95.8357, 0.3097, 0.3241



53.2641, 0.3012, 0.3293



20.5564, 0.3099, 0.3243



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.



46.8590, 0.3011, 0.3098



82.1301, 0.2987, 0.3058



47.7544, 0.3071, 0.3102



9.7486, 0.2983, 0.3052



2.5621, 0.1500, 0.0600



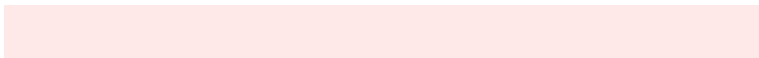
0.1109, 0.1501, 0.0601

Inverse Universe

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



48.1171, 0.3257, 0.3290



84.8309, 0.3285, 0.3290



53.5886, 0.3180, 0.3478



10.0780, 0.3289, 0.3290



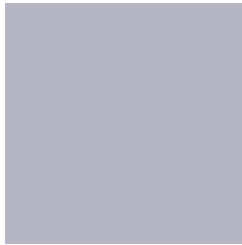
7.5409, 0.6400, 0.3299



0.3258, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 46.8570, 0.3011, 0.3098 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 46.8570, 0.3011, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

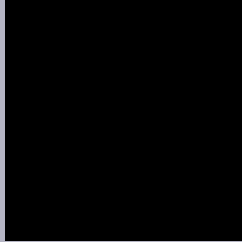
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

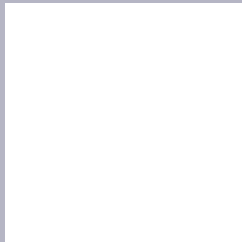
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8570, 0.3011, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 46.8570, 0.3011, 0.3098.

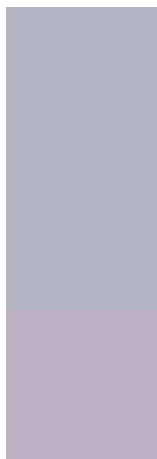


This preview shows how white text looks on a background with the Yxy color 46.8570, 0.3011, 0.3098.

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

46.8570, 0.3011, 0.3098

Protanopia

46.8570, 0.3011, 0.3098

Deuteranopia

46.8130, 0.3105, 0.3041



Tritanopia

46.8116, 0.3018, 0.3110

Trichromacy



Original Color

46.8570, 0.3011, 0.3098

Protanomaly

46.8570, 0.3011, 0.3098

Deuteranomaly

46.6908, 0.3070, 0.3051

Tritanomaly

46.8116, 0.3018, 0.3110

Monochromacy



Original Color

46.8570, 0.3011, 0.3098

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.0318, 0.3080, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8570, 0.3011, 0.3098 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, 181, 196)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 196)  
}
```

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, 181, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 196) }
```

Border

The CSS property to change the border of an element to Yxy 46.8570, 0.3011, 0.3098 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, 181, 196) }
```

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

```
.border{ border-color:rgb(181, 181, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 181, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 196);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8570, 0.3011, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 181, 196) }
```

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

```
.background{ background-color: rgb(181,  
181, 196) }
```

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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