

Converting Colors

$Yxy(70.5129, 0.2953, 0.3008)$

Have a look what the booklet for
Yxy(70.5129, 0.2953, 0.3008)
contains.

Yxy(70.6957, 0.2952, 0.3011)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.6957, 0.2952, 0.3011)

Conversions

Conversions Part 1

Format	Color
Hex	D8D9F3
RGB	216, 217, 243
RGB Percent	85%, 85%, 95%
CMY	0.1529, 0.1490, 0.0471
CMYK	0.11, 0.11, 0.00, 0.05
HSL	238°, 53%, 90%
HSV	238°, 11%, 95%
XYZ	69.3104, 70.6957, 94.7853
YIQ	219.6650, -8.9420, 7.8740

Conversions

Conversions Part 2

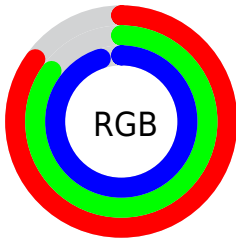
Format	Color
R_{YB}	216, 217, 243
Decimal	14211571
CIE Lab	87.34, 4.63, -12.80
CIE LCh	87, 13.610, 289.879
Yxy	70.6957, 0.2952, 0.3011
Android (android.graphics.Color)	4292401651 (0xFFD8D9F3)
YUV	219.6650, 11.5042, -3.2142
Hunter-Lab	84.0807, 0.0020, -7.9819

Details

The Yxy color **70.6957, 0.2952, 0.3011** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.5195, 0.3294, 0.3555**, and the grayscale version is **71.2500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0056, 0.2908, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **56.0452, 0.2773, 0.2725**, and if you desaturate by 10%, it is **87.6102, 0.3111, 0.3264**.

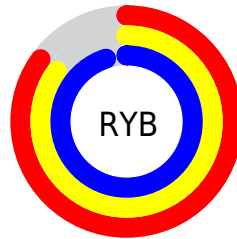
Distribution



Red (85%)

Green (85%)

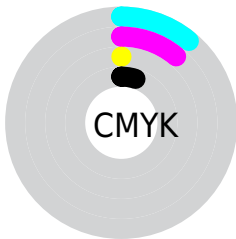
Blue (95%)



Red (85%)

Yellow (85%)

Blue (95%)

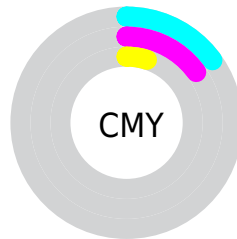


Cyan (11%)

Magenta (11%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (15%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6957, 0.2952, 0.3011 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 70.6957, 0.2952, 0.3011 by changing the saturation by 10% instead.

■ 70.6957, 0.2952,
0.3011

■ 70.6957, 0.2952,
0.3011

462.9890, 0.3034,
0.3139

■ 52.0939, 0.2933,
0.2982

120.2003, 0.2980,
0.3055

■ 37.0799, 0.2910,
0.2946

151.8720, 0.2991,
0.3073

■ 25.2694, 0.2880,
0.2901

188.6690, 0.3001,
0.3087

■ 16.2779, 0.2842,
0.2843

230.9758, 0.3009,
0.3100

■ 9.7210, 0.2788,
0.2763

279.1768, 0.3016,
0.3112

■ 5.2144, 0.2711,
0.2651

333.6564, 0.3023,

■ 2.3736, 0.2590,

0.3122

0.2478

394.7990, 0.3029,
0.3131

■ 0.8122, 0.2376,
0.2179

■ 0.0000, 0.0000,
0.0000

■ 70.6957, 0.2952,
0.3011

■ 70.6957, 0.2952,
0.3011

■ 56.0452, 0.2773,
0.2725

■ 87.6102, 0.3111,
0.3264

■ 43.5543, 0.2577,
0.2408

■ 99.2510, 0.3197,
0.3405

■ 33.1235, 0.2367,
0.2067

■ 24.6422, 0.2153,
0.1718

■ 17.9894, 0.1949,
0.1380

■ 13.0305, 0.1770,
0.1081

■ 9.6124, 0.1632,
0.0844

■ 7.5545, 0.1543,
0.0688

■ 6.6657, 0.1505,
0.0616

Harmonies

Analogous

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



70.6957, 0.2844, 0.3041



70.6957, 0.2952, 0.3011



70.6957, 0.3109, 0.3052

Triad

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



70.6957, 0.2952, 0.3011



70.6957, 0.3455, 0.3429



70.6957, 0.2977, 0.3433

Complementary

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



70.6957, 0.2952, 0.3011



87.5195, 0.3294, 0.3555

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.



70.6957, 0.3138, 0.3545



70.6957, 0.2952, 0.3011



70.6957, 0.3416, 0.3537

Square

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



70.6957, 0.2952, 0.3011



70.6957, 0.3403, 0.3288



70.6957, 0.3300, 0.3582



70.6957, 0.2858, 0.3282

Rectangle

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



70.6957, 0.2952, 0.3011



70.6957, 0.3222, 0.3114



70.6957, 0.3300, 0.3582



70.6957, 0.3028, 0.3477

Sweetspot

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



70.6987, 0.2952, 0.3011



93.9667, 0.3082, 0.3219



85.0909, 0.2964, 0.3304



19.7762, 0.3070, 0.3199



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.



70.6987, 0.2952, 0.3011



75.5403, 0.2919, 0.2958



72.1059, 0.3035, 0.3007



16.0246, 0.2979, 0.3054



3.7006, 0.1506, 0.0623



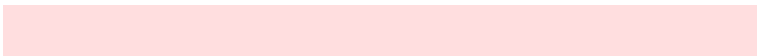
0.3591, 0.1522, 0.0680

Inverse Universe

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



73.1802, 0.3319, 0.3280



78.7546, 0.3357, 0.3278



86.0238, 0.3211, 0.3571



16.4924, 0.3288, 0.3282



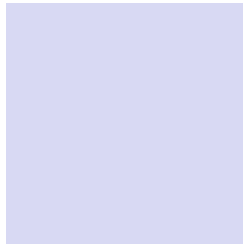
10.4730, 0.6362, 0.3279



0.9239, 0.6266, 0.3225

Previews

White Background



This preview shows how the Yxy color 70.6957, 0.2952, 0.3011 looks on a white background.

Color Contrast Check

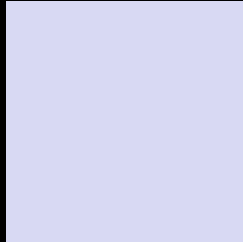
Large Text (above 18pt) WCAG AA × Fail

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 70.6957, 0.2952, 0.3011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

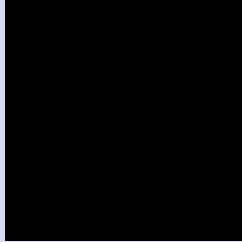
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6957, 0.2952, 0.3011

Background



This preview shows how black text looks on a background with the Yxy color 70.6957, 0.2952, 0.3011.

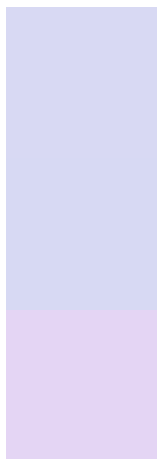


This preview shows how white text looks on a background with the Yxy color 70.6957, 0.2952, 0.3011.

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

70.6957, 0.2952, 0.3011

Protanopia

70.5438, 0.2945, 0.3010

Deuteranopia

70.6141, 0.3028, 0.2965



Tritanopia

70.6460, 0.2989, 0.3095

Trichromacy



Original Color

70.6957, 0.2952, 0.3011

Protanomaly

70.5438, 0.2945, 0.3010

Deuteranomaly

70.4721, 0.3000, 0.2973

Tritanomaly

70.8219, 0.2970, 0.3063

Monochromacy



Original Color

70.6957, 0.2952, 0.3011

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.3245, 0.3068, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6957, 0.2952, 0.3011 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(216, 217, 243)` looks like.

```
.text, #text, p{  
    color:rgb(216, 217, 243)  
}
```

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(216, 217, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 217, 243) }
```

Border

The CSS property to change the border of an element to Yxy 70.6957, 0.2952, 0.3011 is called "border". The border property can be set on classes, ids or directly on the HTML element.

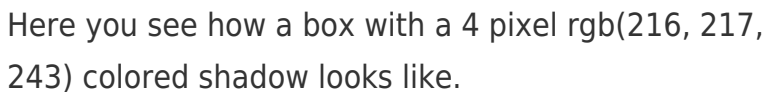
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 217, 243) }
```

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

```
.border{ border-color:rgb(216, 217, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 217, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 217, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 217, 243); box-shadow:4px 4px 4px 4px rgb(216, 217, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6957, 0.2952, 0.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 217, 243) }
```

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

```
.background{ background-color: rgb(216,  
217, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor