

Converting Colors

Yxy(67.9824, 0.2973, 0.3102)

Have a look what the booklet for
Yxy(67.9824, 0.2973, 0.3102)
contains.

Yxy(67.9824, 0.2973, 0.3102)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.9824, 0.2973, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	D1D7E8
RGB	209, 215, 232
RGB Percent	82%, 84%, 91%
CMY	0.1804, 0.1568, 0.0903
CMYK	0.10, 0.07, 0.00, 0.09
HSL	224°, 33%, 86%
HSV	224°, 10%, 91%
XYZ	65.1553, 67.9824, 86.0190
YIQ	215.1440, -9.0330, 4.0150

Conversions

Conversions Part 2

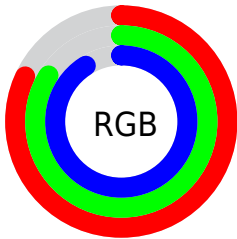
Format	Color
R _Y B	209, 214, 232
Decimal	13752296
CIE Lab	86.00, 1.22, -9.03
CIE LCh	86, 9.112, 277.704
Yxy	67.9824, 0.2973, 0.3102
Android (android.graphics.Color)	4291942376 (0xFFD1D7E8)
YUV	215.1440, 8.3100, -5.3883
Hunter-Lab	82.4514, -3.2347, -4.1394

Details

The Yxy color **67.9824, 0.2973, 0.3102** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.1268, 0.3282, 0.3471**, and the grayscale version is **68.0047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1462, 0.2934, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **56.5758, 0.2805, 0.2889**, and if you desaturate by 10%, it is **80.8000, 0.3128, 0.3292**.

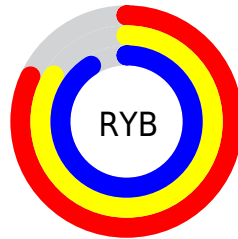
Distribution



Red (82%)

Green (84%)

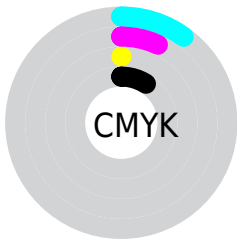
Blue (91%)



Red (82%)

Yellow (84%)

Blue (91%)

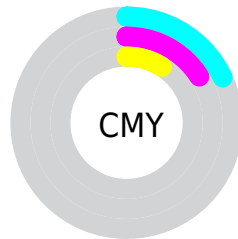


Cyan (10%)

Magenta (7%)

Yellow (0%)

Black (9%)



Cyan (18%)

Magenta (16%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9824, 0.2973, 0.3102 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 67.9824, 0.2973, 0.3102 by changing the saturation by 10% instead.

■ 67.9824, 0.2973,
0.3102

■ 67.9824, 0.2973,
0.3102

453.4337, 0.3045,
0.3190

■ 49.8834, 0.2956,
0.3082

116.3270, 0.2998,
0.3133

■ 35.3208, 0.2936,
0.3057

147.3413, 0.3008,
0.3144

■ 23.9101, 0.2909,
0.3025

183.4296, 0.3016,
0.3155

■ 15.2669, 0.2874,
0.2983

224.9762, 0.3024,
0.3163

■ 9.0069, 0.2826,
0.2926

272.3655, 0.3030,
0.3171

■ 4.7457, 0.2756,
0.2842

325.9819, 0.3036,

■ 2.0988, 0.2644,

0.3178

0.2709

386.2099, 0.3041,
0.3184

0.6640, 0.2417,
0.2429

0.0000, 0.0000,
0.0000

67.9824, 0.2973,
0.3102

67.9824, 0.2973,
0.3102

56.5758, 0.2805,
0.2889

80.8000, 0.3128,
0.3292

46.5223, 0.2625,
0.2651

94.9937, 0.3268,
0.3458

37.7729, 0.2438,
0.2393

98.6053, 0.3262,
0.3513

30.2718, 0.2250,
0.2118

■ 23.9595, 0.2068,
0.1836

■ 18.7708, 0.1902,
0.1559

■ 14.6338, 0.1761,
0.1300

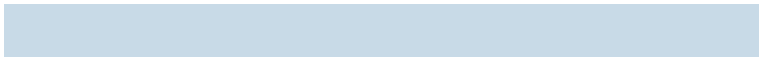
■ 11.4668, 0.1654,
0.1074

■ 9.1555, 0.1581,
0.0892

Harmonies

Analogous

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



67.9824, 0.2918, 0.3143



67.9824, 0.2973, 0.3102



67.9824, 0.3070, 0.3110

Triad

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



67.9824, 0.2973, 0.3102



67.9824, 0.3342, 0.3348



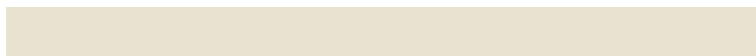
67.9824, 0.3069, 0.3421

Complementary

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



67.9824, 0.2973, 0.3102



76.1268, 0.3282, 0.3471

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.



67.9824, 0.3182, 0.3478



67.9824, 0.2973, 0.3102



67.9824, 0.3341, 0.3433

Square

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



67.9824, 0.2973, 0.3102



67.9824, 0.3284, 0.3250



67.9824, 0.3282, 0.3482



67.9824, 0.2972, 0.3328

Rectangle

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



67.9824, 0.2973, 0.3102



67.9824, 0.3146, 0.3142



67.9824, 0.3282, 0.3482



67.9824, 0.3106, 0.3446

Sweetspot

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



67.9853, 0.2973, 0.3102



95.0283, 0.3082, 0.3235



76.7406, 0.3012, 0.3357



20.0614, 0.3069, 0.3220



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.



67.9853, 0.2973, 0.3102



81.0790, 0.2938, 0.3058



65.7690, 0.3011, 0.3037



14.4980, 0.2981, 0.3111



5.2484, 0.1588, 0.0917



0.5362, 0.1666, 0.1197

Inverse Universe

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



67.6545, 0.3258, 0.3226



80.6364, 0.3290, 0.3211



78.5760, 0.3237, 0.3537



14.4297, 0.3251, 0.3229



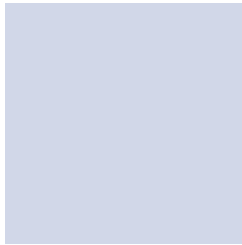
9.7275, 0.5886, 0.3016



0.7338, 0.5470, 0.2787

Previews

White Background



This preview shows how the Yxy color 67.9824, 0.2973, 0.3102 looks on a white background.

Color Contrast Check

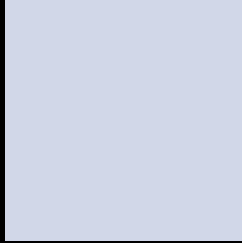
Large Text (above 18pt) WCAG AA × Fail

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 67.9824, 0.2973, 0.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

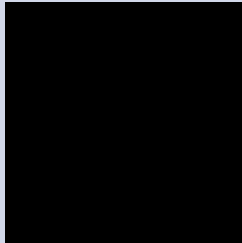
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

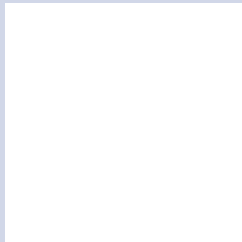
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9824, 0.2973, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 67.9824, 0.2973, 0.3102.

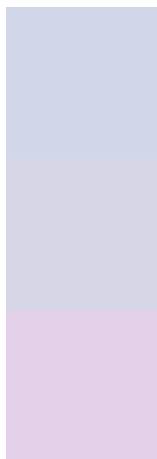


This preview shows how white text looks on a background with the Yxy color 67.9824, 0.2973, 0.3102.

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

67.9824, 0.2973, 0.3102

Protanopia

68.1588, 0.3014, 0.3103

Deuteranopia

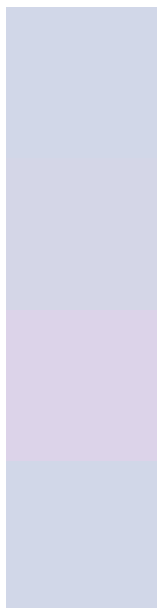
67.8150, 0.3095, 0.3034



Tritanopia

67.9824, 0.2973, 0.3102

Trichromacy



Original Color

67.9824, 0.2973, 0.3102

Protanomaly

67.8597, 0.3000, 0.3103

Deuteranomaly

67.6874, 0.3044, 0.3052

Tritanomaly

67.9824, 0.2973, 0.3102

Monochromacy



Original Color

67.9824, 0.2973, 0.3102

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.9675, 0.3073, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9824, 0.2973, 0.3102 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(209, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(209, 215, 232)  
}
```

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(209, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 215, 232) }
```

Border

The CSS property to change the border of an element to Yxy 67.9824, 0.2973, 0.3102 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(209, 215, 232) }
```

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

```
.border{ border-color:rgb(209, 215, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 215, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(209, 215,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9824, 0.2973, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 215, 232) }
```

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

```
.background{ background-color: rgb(209,  
215, 232) }
```

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