

Converting Colors

$Y_{xy}(67.9555, 0.2990, 0.3079)$

Have a look what the booklet for
Yxy(67.9555, 0.2990, 0.3079)
contains.

Yxy(67.9734, 0.2987, 0.3081)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.9734, 0.2987, 0.3081)

Conversions

Conversions Part 1

Format	Color
Hex	D4D6E9
RGB	212, 214, 233
RGB Percent	83%, 84%, 91%
CMY	0.1688, 0.1607, 0.0862
CMYK	0.09, 0.08, 0.00, 0.09
HSL	234°, 32%, 87%
HSV	234°, 9%, 91%
XYZ	65.8996, 67.9734, 86.7483
YIQ	215.5680, -7.2910, 5.4850

Conversions

Conversions Part 2

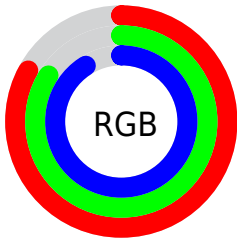
Format	Color
R _Y B	212, 214, 233
Decimal	13948649
CIE Lab	85.99, 2.91, -9.56
CIE LCh	86, 9.993, 286.950
Yxy	67.9734, 0.2987, 0.3081
Android (android.graphics.Color)	4292138729 (0xFFD4D6E9)
YUV	215.5680, 8.5940, -3.1291
Hunter-Lab	82.4460, -1.6044, -4.6717

Details

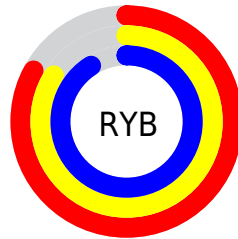
The Yxy color $67.9734, 0.2987, 0.3081$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $79.2106, 0.3264, 0.3491$, and the grayscale version is $68.3034, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.1387, 0.2953, 0.3031$ is the 20% darker color. If you saturate the color by 10%, you get $54.7917, 0.2815, 0.2820$, and if you desaturate by 10%, it is $83.0352, 0.3141, 0.3311$.

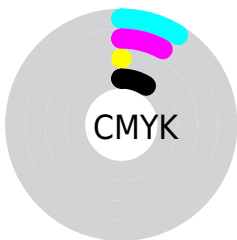
Distribution



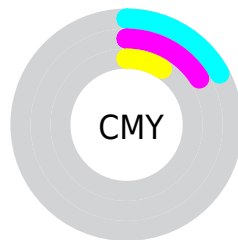
- Red (83%)
- Green (84%)
- Blue (91%)



- Red (83%)
- Yellow (84%)
- Blue (91%)



- Cyan (9%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)



- Cyan (17%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9734, 0.2987, 0.3081 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 67.9734, 0.2987, 0.3081 by changing the saturation by 10% instead.

■ 67.9734, 0.2987,
0.3081

■ 67.9734, 0.2987,
0.3081

453.4018, 0.3053,
0.3178

■ 49.8761, 0.2972,
0.3059

116.3141, 0.3010,
0.3115

■ 35.3150, 0.2953,
0.3031

147.3263, 0.3019,
0.3128

■ 23.9056, 0.2929,
0.2996

183.4122, 0.3027,
0.3139

■ 15.2636, 0.2897,
0.2950

224.9562, 0.3033,
0.3149

■ 9.0046, 0.2853,
0.2887

272.3428, 0.3039,
0.3158

■ 4.7442, 0.2788,
0.2796

325.9564, 0.3044,

■ 2.0980, 0.2684,

0.3165

0.2652

386.1812, 0.3049,
0.3172

0.6635, 0.2487,
0.2351

0.0000, 0.0000,
0.0000

67.9734, 0.2987,
0.3081

67.9734, 0.2987,
0.3081

54.7917, 0.2815,
0.2820

83.0352, 0.3141,
0.3311

43.4079, 0.2626,
0.2530

98.6641, 0.3256,
0.3503

33.7465, 0.2424,
0.2215

25.7233, 0.2217,
0.1885

■ 19.2471, 0.2016,
0.1556

■ 14.2175, 0.1833,
0.1249

■ 10.5223, 0.1684,
0.0986

■ 8.0326, 0.1579,
0.0788

■ 6.5820, 0.1520,
0.0663

Harmonies

Analogous

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



67.9734, 0.2910, 0.3110



67.9734, 0.2987, 0.3081



67.9734, 0.3102, 0.3106

Triad

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



67.9734, 0.2987, 0.3081



67.9734, 0.3370, 0.3385



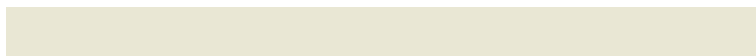
67.9734, 0.3027, 0.3406

Complementary

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



67.9734, 0.2987, 0.3081



79.2106, 0.3264, 0.3491

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.



67.9734, 0.3148, 0.3483



67.9734, 0.2987, 0.3081



67.9734, 0.3348, 0.3469

Square

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



67.9734, 0.2987, 0.3081



67.9734, 0.3325, 0.3279



67.9734, 0.3266, 0.3506



67.9734, 0.2933, 0.3296

Rectangle

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



67.9734, 0.2987, 0.3081



67.9734, 0.3186, 0.3150



67.9734, 0.3266, 0.3506



67.9734, 0.3066, 0.3437

Sweetspot

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



67.9763, 0.2987, 0.3081



94.2510, 0.3082, 0.3223



78.0429, 0.3001, 0.3312



19.8525, 0.3070, 0.3205



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.



67.9763, 0.2987, 0.3081



79.9592, 0.2954, 0.3031



68.2291, 0.3047, 0.3062



14.7848, 0.2980, 0.3070



3.7589, 0.1519, 0.0667



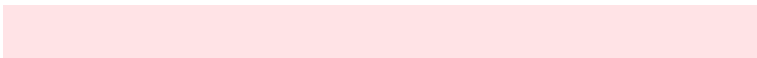
0.3753, 0.1562, 0.0824

Inverse Universe

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



69.2513, 0.3270, 0.3268



81.8661, 0.3306, 0.3263



78.9809, 0.3203, 0.3516



15.0779, 0.3278, 0.3267



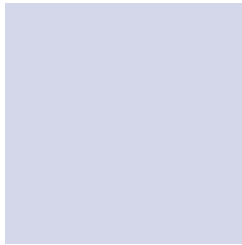
9.8723, 0.6287, 0.3237



0.7833, 0.6032, 0.3096

Previews

White Background



This preview shows how the Yxy color 67.9734, 0.2987, 0.3081 looks on a white background.

Color Contrast Check

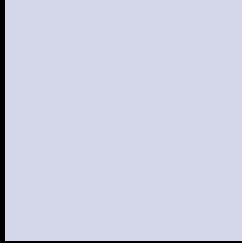
Large Text (above 18pt) WCAG AA × Fail

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 67.9734, 0.2987, 0.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

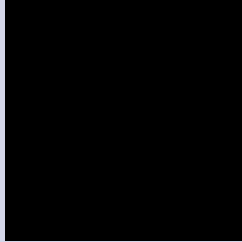
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

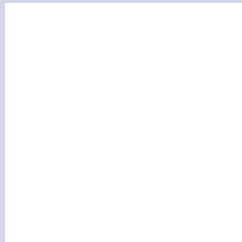
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9734, 0.2987, 0.3081

Background



This preview shows how black text looks on a background with the Yxy color 67.9734, 0.2987, 0.3081.

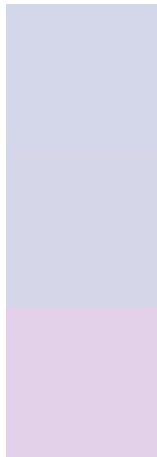


This preview shows how white text looks on a background with the Yxy color 67.9734, 0.2987, 0.3081.

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

67.9734, 0.2987, 0.3081

Protanopia

68.2725, 0.3001, 0.3082

Deuteranopia

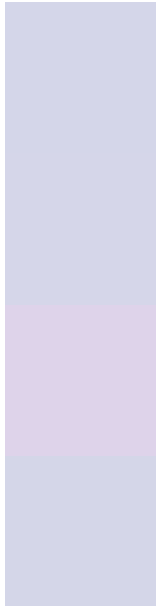
67.8723, 0.3088, 0.3023



Tritanopia

67.8597, 0.3000, 0.3103

Trichromacy



Original Color

67.9734, 0.2987, 0.3081

Protanomaly

68.1225, 0.2994, 0.3082

Deuteranomaly

68.0586, 0.3052, 0.3042

Tritanomaly

67.9164, 0.2994, 0.3092

Monochromacy



Original Color

67.9734, 0.2987, 0.3081

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.3219, 0.3080, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9734, 0.2987, 0.3081 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(212, 214, 233)` looks like.

```
.text, #text, p{  
    color:rgb(212, 214, 233)  
}
```

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(212, 214, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 214, 233) }
```

Border

The CSS property to change the border of an element to Yxy 67.9734, 0.2987, 0.3081 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(212, 214, 233) }
```

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

```
.border{ border-color:rgb(212, 214, 233) }
```

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

Here you see how a box with a 4 pixel rgb(212, 214, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 214, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 214, 233);  
box-shadow:4px 4px 4px 4px rgb(212, 214,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9734, 0.2987, 0.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 214, 233) }
```

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

```
.background{ background-color: rgb(212,  
214, 233) }
```

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