

Converting Colors

Yxy(67.9195, 0.3100, 0.3228)

Have a look what the booklet for
Yxy(67.9195, 0.3100, 0.3228)
contains.

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Color

Yxy(67.8594, 0.3101, 0.3224)

Conversions

Conversions Part 1

Format	Color
Hex	D8D6DC
RGB	216, 214, 220
RGB Percent	85%, 84%, 86%
CMY	0.1531, 0.1607, 0.1373
CMYK	0.02, 0.03, 0.00, 0.14
HSL	259°, 8%, 85%
HSV	259°, 3%, 86%
XYZ	65.2705, 67.8594, 77.3521
YIQ	215.2820, -0.7340, 2.2900

Conversions

Conversions Part 2

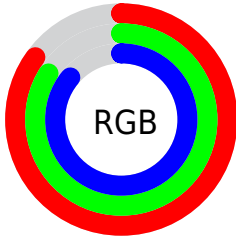
Format	Color
R _Y B	216, 214, 220
Decimal	14210780
CIE Lab	85.94, 1.75, -2.71
CIE LCh	86, 3.220, 302.844
Yxy	67.8594, 0.3101, 0.3224
Android (android.graphics.Color)	4292400860 (0xFFD8D6DC)
YUV	215.2820, 2.3260, 0.6297
Hunter-Lab	82.3768, -2.7267, 1.9902

Details

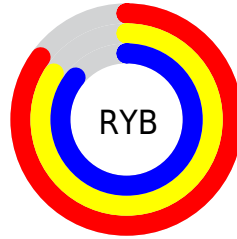
The Yxy color **67.8594, 0.3101, 0.3224** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9442, 0.3153, 0.3356**, and the grayscale version is **68.1371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.0900, 0.3093, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **55.3051, 0.2994, 0.2964**, and if you desaturate by 10%, it is **82.1282, 0.3192, 0.3458**.

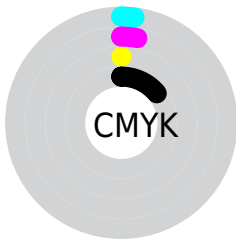
Distribution



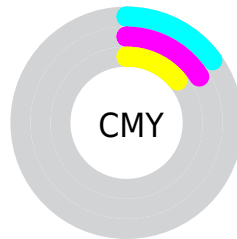
- Red (85%)
- Green (84%)
- Blue (86%)



- Red (85%)
- Yellow (84%)
- Blue (86%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (14%)



- Cyan (15%)
- Magenta (16%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8594, 0.3101, 0.3224 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 67.8594, 0.3101, 0.3224 by changing the saturation by 10% instead.

■ 67.8594, 0.3101,
0.3224

■ 67.8594, 0.3101,
0.3224

452.9977, 0.3113,
0.3255

■ 49.7834, 0.3098,
0.3217

116.1510, 0.3105,
0.3235

■ 35.2413, 0.3095,
0.3208

147.1353, 0.3107,
0.3239

■ 23.8488, 0.3090,
0.3197

183.1912, 0.3108,
0.3243

■ 15.2215, 0.3084,
0.3182

224.7030, 0.3110,
0.3246

■ 8.9750, 0.3075,
0.3161

272.0552, 0.3111,
0.3248

■ 4.7249, 0.3063,
0.3131

325.6321, 0.3112,

■ 2.0868, 0.3042,

0.3251

385.8181, 0.3113,
0.3253

0.3082

0.6572, 0.2993,
0.2948

0.0000, 0.0000,
0.0000

67.8594, 0.3101,
0.3224

67.8594, 0.3101,
0.3224

55.3051, 0.2994,
0.2964

82.1282, 0.3192,
0.3458

44.3912, 0.2872,
0.2678

96.2236, 0.3273,
0.3638

35.0512, 0.2733,
0.2372

97.9462, 0.3334,
0.3631

27.2107, 0.2579,
0.2053

■ 20.7889, 0.2414,
0.1733

■ 15.6973, 0.2245,
0.1430

■ 11.8372, 0.2080,
0.1162

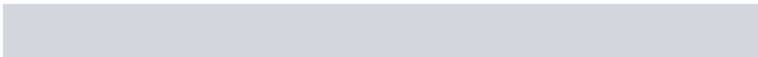
■ 9.0956, 0.1929,
0.0946

■ 7.3370, 0.1800,
0.0796

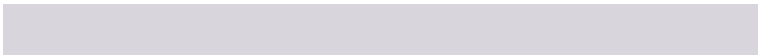
Harmonies

Analogous

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



67.8594, 0.3068, 0.3225



67.8594, 0.3101, 0.3224



67.8594, 0.3141, 0.3241

Triad

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



67.8594, 0.3101, 0.3224



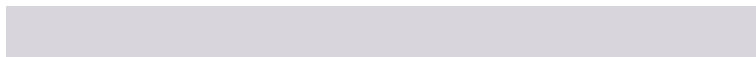
67.8594, 0.3204, 0.3337



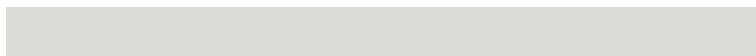
67.8594, 0.3077, 0.3310

Complementary

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



67.8594, 0.3101, 0.3224



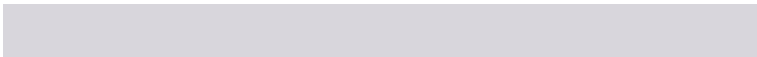
70.9442, 0.3153, 0.3356

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.



67.8594, 0.3113, 0.3340



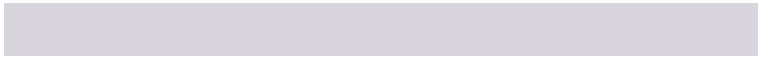
67.8594, 0.3101, 0.3224



67.8594, 0.3186, 0.3356

Square

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



67.8594, 0.3101, 0.3224



67.8594, 0.3201, 0.3306



67.8594, 0.3153, 0.3357



67.8594, 0.3054, 0.3274

Rectangle

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



67.8594, 0.3101, 0.3224



67.8594, 0.3166, 0.3260



67.8594, 0.3153, 0.3357



67.8594, 0.3088, 0.3321

Sweetspot

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



67.8623, 0.3101, 0.3224



98.0583, 0.3118, 0.3266



69.6564, 0.3086, 0.3269



21.0090, 0.3118, 0.3267



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.



67.8623, 0.3101, 0.3224



94.2481, 0.3098, 0.3216



68.3131, 0.3122, 0.3225



14.3815, 0.3090, 0.3198



3.8786, 0.1737, 0.0730



0.2969, 0.1917, 0.0830

Inverse Universe

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



68.3813, 0.3143, 0.3246



95.0572, 0.3145, 0.3241



70.4956, 0.3132, 0.3356



14.5372, 0.3150, 0.3228



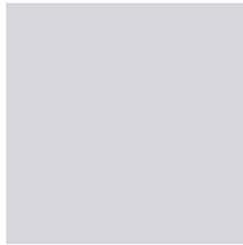
10.2194, 0.4232, 0.2105



0.6776, 0.4024, 0.1990

Previews

White Background



This preview shows how the Yxy color 67.8594, 0.3101, 0.3224 looks on a white background.

Color Contrast Check

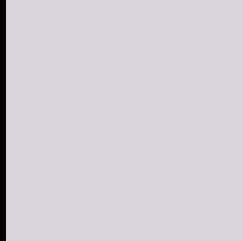
Large Text (above 18pt) WCAG AA × Fail

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 67.8594, 0.3101, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

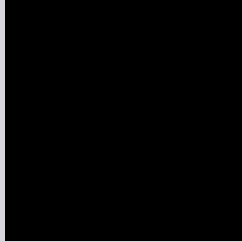
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

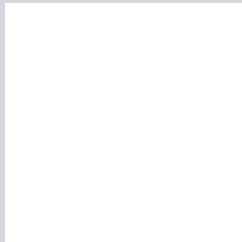
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8594, 0.3101, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 67.8594, 0.3101, 0.3224.

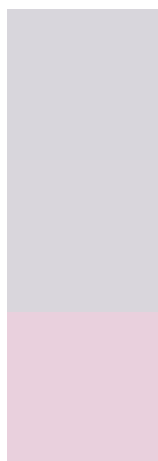


This preview shows how white text looks on a background with the Yxy color 67.8594, 0.3101, 0.3224.

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

67.8594, 0.3101, 0.3224

Protanopia

68.0122, 0.3108, 0.3224

Deuteranopia

67.6558, 0.3224, 0.3151



Tritanopia

67.9974, 0.3049, 0.3115

Trichromacy



Original Color

67.8594, 0.3101, 0.3224

Protanomaly

68.0122, 0.3108, 0.3224

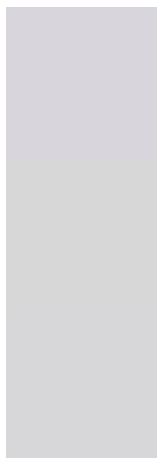
Deuteranomaly

67.6445, 0.3177, 0.3171

Tritanomaly

67.8312, 0.3069, 0.3147

Monochromacy



Original Color

67.8594, 0.3101, 0.3224

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.0577, 0.3114, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8594, 0.3101, 0.3224 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, 214, 220) looks like.

```
.text, #text, p{  
    color:rgb(216, 214, 220)  
}
```

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, 214, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 214, 220) }
```

Border

The CSS property to change the border of an element to Yxy 67.8594, 0.3101, 0.3224 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, 214, 220) }
```

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

```
.border{ border-color:rgb(216, 214, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 214, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 214, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 214, 220);  
box-shadow:4px 4px 4px 4px rgb(216, 214,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8594, 0.3101, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 214, 220) }
```

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

```
.background{ background-color: rgb(216,  
214, 220) }
```

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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