

Converting Colors

Yxy(68.7953, 0.3144, 0.3078)

Have a look what the booklet for
Yxy(68.7953, 0.3144, 0.3078)
contains.

Yxy(68.7953, 0.3144, 0.3078)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.7953, 0.3144, 0.3078)

Conversions

Conversions Part 1

Format	Color
Hex	E7D2E6
RGB	231, 210, 230
RGB Percent	91%, 82%, 90%
CMY	0.0943, 0.1764, 0.0980
CMYK	0.00, 0.09, 0.00, 0.09
HSL	303°, 30%, 86%
HSV	303°, 9%, 91%
XYZ	70.2704, 68.7953, 84.4408
YIQ	218.5590, 6.0960, 10.6720

Conversions

Conversions Part 2

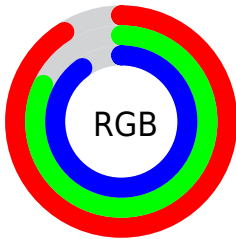
Format	Color
R _Y B	231, 210, 230
Decimal	15192806
CIE Lab	86.40, 10.72, -7.19
CIE LCh	86, 12.913, 326.145
Yxy	68.7953, 0.3144, 0.3078
Android (android.graphics.Color)	4293382886 (0xFFE7D2E6)
YUV	218.5590, 5.6404, 10.9108
Hunter-Lab	82.9429, 6.0776, -2.3006

Details

The Yxy color **68.7953, 0.3144, 0.3078** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.5254, 0.3110, 0.3512**, and the grayscale version is **70.4717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9860, 0.3139, 0.3028** is the 20% darker color. If you saturate the color by 10%, you get **58.1462, 0.3164, 0.2838**, and if you desaturate by 10%, it is **81.0963, 0.3125, 0.3312**.

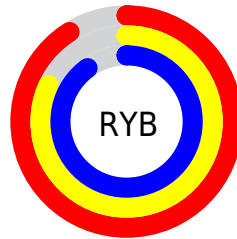
Distribution



Red (91%)

Green (82%)

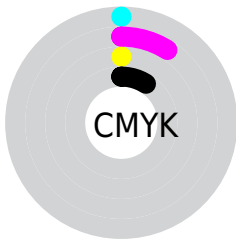
Blue (90%)



Red (91%)

Yellow (82%)

Blue (90%)

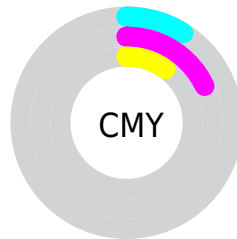


Cyan (0%)

Magenta (9%)

Yellow (0%)

Black (9%)



Cyan (9%)

Magenta (18%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7953, 0.3144, 0.3078 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 68.7953, 0.3144, 0.3078 by changing the saturation by 10% instead.


 68.7953, 0.3144,
0.3078

 68.7953, 0.3144,
0.3078


456.3087, 0.3137,
0.3176

 50.5450, 0.3145,
0.3056


117.4892, 0.3142,
0.3112

 35.8466, 0.3147,
0.3029


148.7015, 0.3141,
0.3125

 24.3158, 0.3149,
0.2994


185.0034, 0.3140,
0.3136

 15.5680, 0.3152,
0.2949

226.7791, 0.3139,
0.3146

 9.2190, 0.3155,
0.2888

274.4131, 0.3138,
0.3155

 4.8843, 0.3158,
0.2801

328.2898, 0.3138,

 2.1795, 0.3162,

0.3163

0.2665

388.7935, 0.3137,
0.3169

0.7088, 0.3176,
0.2397

0.0000, 0.0000,
0.0000

68.7953, 0.3144,
0.3078

68.7953, 0.3144,
0.3078

58.1462, 0.3164,
0.2838

81.0963, 0.3125,
0.3312

49.0698, 0.3186,
0.2598


94.3294, 0.3109,
0.3522

41.4940, 0.3208,
0.2365


94.3883, 0.3103,
0.3511

35.3374, 0.3231,
0.2151

94.4476, 0.3098,
0.3501

 30.5109, 0.3253,
0.1963


 94.5072, 0.3092,
0.3490


 26.9156, 0.3274,
0.1812


 94.5672, 0.3086,
0.3480


 24.4385, 0.3293,
0.1702

 94.6275, 0.3080,
0.3469

 22.9459, 0.3310,
0.1636

 94.6882, 0.3074,
0.3458

 22.2311, 0.3325,
0.1608

 94.7492, 0.3068,
0.3448

Harmonies

Analogous

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



68.7953, 0.2988, 0.3025



68.7953, 0.3144, 0.3078



68.7953, 0.3299, 0.3184

Triad

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



68.7953, 0.3144, 0.3078



68.7953, 0.3386, 0.3542



68.7953, 0.2854, 0.3252

Complementary

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



68.7953, 0.3144, 0.3078



75.5254, 0.3110, 0.3512

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.



68.7953, 0.2955, 0.3398



68.7953, 0.3144, 0.3078



68.7953, 0.3262, 0.3568

Square

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



68.7953, 0.3144, 0.3078



68.7953, 0.3440, 0.3448



68.7953, 0.3104, 0.3516



68.7953, 0.2824, 0.3121

Rectangle

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



68.7953, 0.3144, 0.3078



68.7953, 0.3379, 0.3272



68.7953, 0.3104, 0.3516



68.7953, 0.2881, 0.3301

Sweetspot

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



68.7983, 0.3144, 0.3078



95.1938, 0.3133, 0.3220



65.6798, 0.2992, 0.3058



20.1074, 0.3134, 0.3201



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.



68.7983, 0.3144, 0.3078



83.3102, 0.3148, 0.3030



68.2408, 0.3215, 0.3186



14.6035, 0.3145, 0.3069



12.4459, 0.3324, 0.1605



0.9232, 0.3306, 0.1595

Inverse Universe

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



68.7983, 0.3144, 0.3078



83.3102, 0.3148, 0.3030



76.0542, 0.3047, 0.3397



14.6035, 0.3145, 0.3069



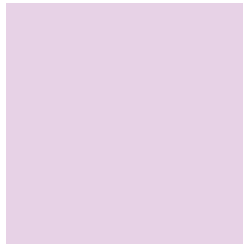
12.4459, 0.3324, 0.1605



0.9232, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 68.7953, 0.3144, 0.3078 looks on a white background.

Color Contrast Check

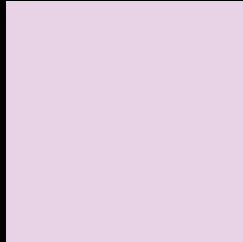
Large Text (above 18pt) WCAG AA × Fail

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 68.7953, 0.3144, 0.3078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

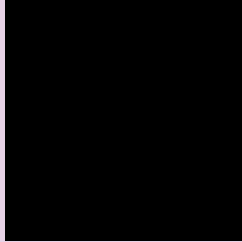
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

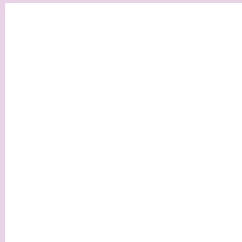
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7953, 0.3144, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 68.7953, 0.3144, 0.3078.



This preview shows how white text looks on a background with the Yxy color 68.7953, 0.3144, 0.3078.

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

68.7953, 0.3144, 0.3078

Protanopia

68.9311, 0.3008, 0.3093

Deuteranopia

68.7953, 0.3144, 0.3078



Tritanopia

69.1235, 0.3165, 0.3120

Trichromacy



Original Color

68.7953, 0.3144, 0.3078

Protanomaly

68.7868, 0.3057, 0.3085

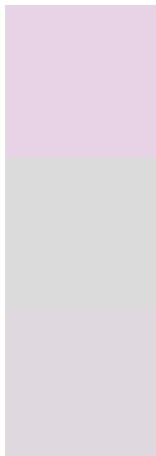
Deuteranomaly

68.7953, 0.3144, 0.3078

Tritanomaly

69.1789, 0.3158, 0.3109

Monochromacy



Original Color

68.7953, 0.3144, 0.3078

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.1274, 0.3131, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7953, 0.3144, 0.3078 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(231, 210, 230)` looks like.

```
.text, #text, p{  
    color:rgb(231, 210, 230)  
}
```

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(231, 210, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 210, 230) }
```

Border

The CSS property to change the border of an element to Yxy 68.7953, 0.3144, 0.3078 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(231, 210, 230) }
```

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

```
.border{ border-color:rgb(231, 210, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 210, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 210, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 210, 230); box-shadow:4px 4px 4px 4px rgb(231, 210, 230) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7953, 0.3144, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 210, 230) }
```

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

```
.background{ background-color: rgb(231,  
210, 230) }
```

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