

Converting Colors

Yxy(83.5126, 0.3120, 0.3154)

Have a look what the booklet for
Yxy(83.5126, 0.3120, 0.3154)
contains.

Yxy(83.6001, 0.3120, 0.3150)	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(83.6001, 0.3120, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	F4E8F6
RGB	244, 232, 246
RGB Percent	96%, 91%, 96%
CMY	0.0431, 0.0902, 0.0351
CMYK	0.01, 0.06, 0.00, 0.04
HSL	291°, 44%, 94%
HSV	291°, 6%, 96%
XYZ	82.8039, 83.6001, 98.9931
YIQ	237.1840, 2.6580, 6.8980

Conversions

Conversions Part 2

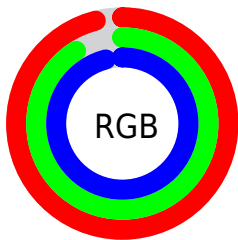
Format	Color
R _Y B	244, 232, 246
Decimal	16050422
CIE Lab	93.28, 6.52, -5.34
CIE LCh	93, 8.428, 320.654
Yxy	83.6001, 0.3120, 0.3150
Android (android.graphics.Color)	4294240502 (0xFF4E8F6)
YUV	237.1840, 4.3463, 5.9776
Hunter-Lab	91.4331, 1.6458, -0.1892

Details

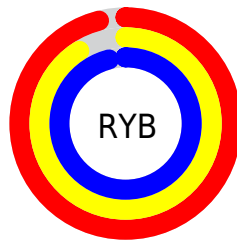
The Yxy color **83.6001, 0.3120, 0.3150** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.2628, 0.3134, 0.3433**, and the grayscale version is **84.8053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4597, 0.3118, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **70.0743, 0.3105, 0.2896**, and if you desaturate by 10%, it is **98.0557, 0.3133, 0.3377**.

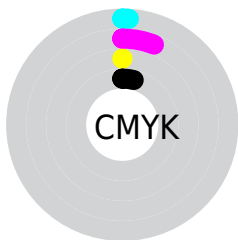
Distribution



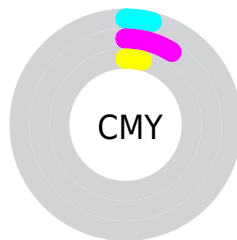
- Red (96%)
- Green (91%)
- Blue (96%)



- Red (96%)
- Yellow (91%)
- Blue (96%)



- Cyan (1%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)




- Cyan (4%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6001, 0.3120, 0.3150 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 83.6001, 0.3120, 0.3150 by changing the saturation by 10% instead.

 83.6001, 0.3120,
0.3150

 83.6001, 0.3120,
0.3150


506.9843, 0.3124,
0.3213

 62.6853, 0.3119,
0.3136

138.4156, 0.3121,
0.3171

 45.5867, 0.3118,
0.3119

173.0852, 0.3122,
0.3180

 31.9198, 0.3117,
0.3098


213.1085, 0.3122,
0.3187

 21.3002, 0.3115,
0.3072

258.8698, 0.3123,
0.3193

 13.3436, 0.3112,
0.3036

310.7537, 0.3123,
0.3199

 7.6656, 0.3108,
0.2987

369.1445, 0.3123,

 3.8817, 0.3102,

0.3204

0.2914

434.4266, 0.3123,
0.3209

■ 1.6076, 0.3090,
0.2795

■ 0.3627, 0.3082,
0.2218

■ 83.6001, 0.3120,
0.3150

■ 83.6001, 0.3120,
0.3150

■ 70.0743, 0.3105,
0.2896

■ 98.0557, 0.3133,
0.3377

■ 58.4161, 0.3085,
0.2635

■ 98.7144, 0.3155,
0.3376

■ 48.5435, 0.3062,
0.2375

■ 99.3856, 0.3177,
0.3376

■ 40.3640, 0.3034,
0.2125

■ 99.4364, 0.3179,
0.3376

■ 33.7767, 0.3003,
0.1895

■ 28.6701, 0.2968,
0.1697

■ 24.9181, 0.2931,
0.1539

■ 22.3733, 0.2892,
0.1426

■ 20.8539, 0.2854,
0.1357

Harmonies

Analogous

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



83.6001, 0.3027, 0.3125



83.6001, 0.3120, 0.3150



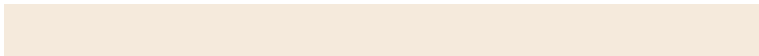
83.6001, 0.3216, 0.3211

Triad

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



83.6001, 0.3120, 0.3150



83.6001, 0.3295, 0.3437



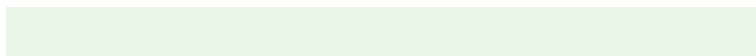
83.6001, 0.2968, 0.3284

Complementary

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



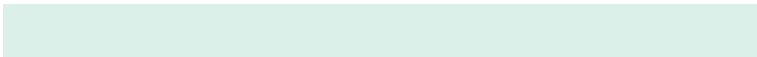
83.6001, 0.3120, 0.3150



89.2628, 0.3134, 0.3433

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.



83.6001, 0.3038, 0.3371



83.6001, 0.3120, 0.3150



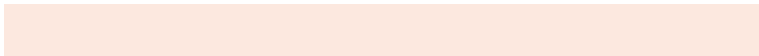
83.6001, 0.3227, 0.3460

Square

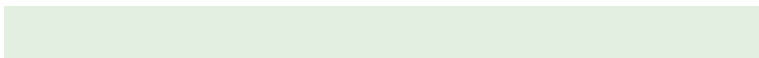
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6001, 0.3120, 0.3150



83.6001, 0.3318, 0.3375



83.6001, 0.3132, 0.3436



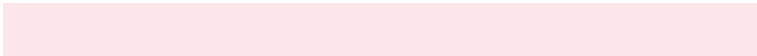
83.6001, 0.2940, 0.3201

Rectangle

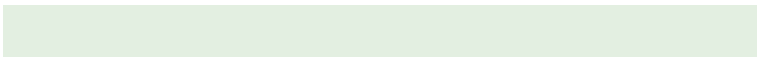
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6001, 0.3120, 0.3150



83.6001, 0.3269, 0.3264



83.6001, 0.3132, 0.3436



83.6001, 0.2987, 0.3314

Sweetspot

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



83.6037, 0.3120, 0.3150



96.6487, 0.3125, 0.3241



82.7194, 0.3040, 0.3168



20.7219, 0.3125, 0.3244



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.



83.6037, 0.3120, 0.3150



88.6464, 0.3118, 0.3117



83.6730, 0.3165, 0.3199



17.2013, 0.3117, 0.3103



10.9312, 0.2844, 0.1340



0.9934, 0.2893, 0.1367

Inverse Universe

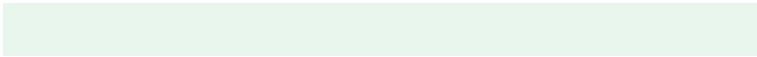
The Inverse Universe completely reimagines the original color for something new.



83.2575, 0.3210, 0.3270



88.1914, 0.3230, 0.3265



89.2024, 0.3091, 0.3383



17.1054, 0.3240, 0.3263



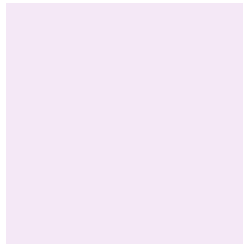
10.5373, 0.6204, 0.3191



0.9378, 0.5908, 0.3028

Previews

White Background



This preview shows how the Yxy color 83.6001, 0.3120, 0.3150 looks on a white background.

Color Contrast Check

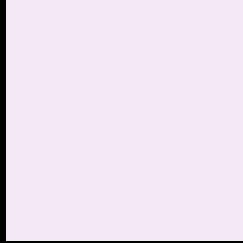
Large Text (above 18pt) WCAG AA × Fail

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 83.6001, 0.3120, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

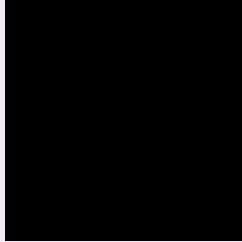
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

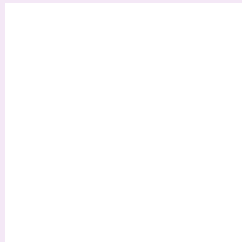
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6001, 0.3120, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 83.6001, 0.3120, 0.3150.



This preview shows how white text looks on a background with the Yxy color 83.6001, 0.3120, 0.3150.

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

83.6001, 0.3120, 0.3150

Protanopia

83.3939, 0.3060, 0.3158

Deuteranopia

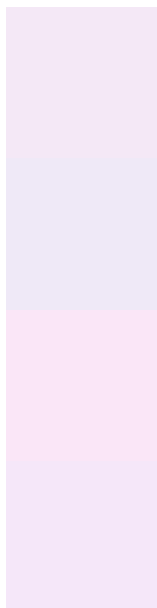
83.8249, 0.3183, 0.3114



Tritanopia

83.4664, 0.3102, 0.3102

Trichromacy



Original Color

83.6001, 0.3120, 0.3150

Protanomaly

83.3439, 0.3080, 0.3149

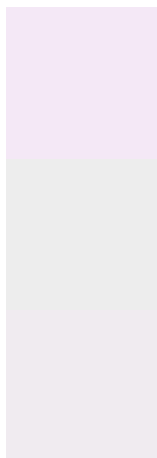
Deuteranomaly

83.6330, 0.3155, 0.3123

Tritanomaly

83.4039, 0.3109, 0.3111

Monochromacy



Original Color

83.6001, 0.3120, 0.3150

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.2332, 0.3130, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6001, 0.3120, 0.3150 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(244, 232, 246)` looks like.

```
.text, #text, p{  
    color:rgb(244, 232, 246)  
}
```

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(244, 232, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 232, 246) }
```

Border

The CSS property to change the border of an element to Yxy 83.6001, 0.3120, 0.3150 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(244, 232, 246) }
```

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

```
.border{ border-color:rgb(244, 232, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 232, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 232, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 232, 246);  
box-shadow:4px 4px 4px 4px rgb(244, 232,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6001, 0.3120, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 232, 246) }
```

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

```
.background{ background-color: rgb(244,  
232, 246) }
```

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