

Converting Colors

Yxy(83.6622, 0.3130, 0.3229)

Have a look what the booklet for
Yxy(83.6622, 0.3130, 0.3229)
contains.

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Color

Yxy(83.6622, 0.3130, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	F0EAF0
RGB	240, 234, 240
RGB Percent	94%, 92%, 94%
CMY	0.0587, 0.0824, 0.0587
CMYK	0.00, 0.03, 0.00, 0.06
HSL	300°, 17%, 93%
HSV	300°, 3%, 94%
XYZ	81.0971, 83.6622, 94.3370
YIQ	236.4780, 1.6500, 3.1380

Conversions

Conversions Part 2

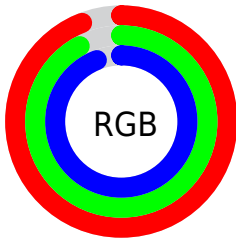
Format	Color
R _Y B	240, 234, 240
Decimal	15788784
CIE Lab	93.30, 3.10, -2.21
CIE LCh	93, 3.805, 324.489
Yxy	83.6622, 0.3130, 0.3229
Android (android.graphics.Color)	4293978864 (0xFFFF0EAF0)
YUV	236.4780, 1.7363, 3.0888
Hunter-Lab	91.4670, -1.8044, 2.8766

Details

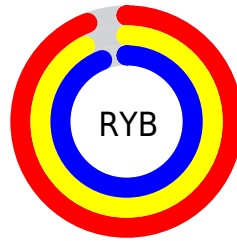
The Yxy color **83.6622, 0.3130, 0.3229** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.7719, 0.3124, 0.3352**, and the grayscale version is **84.2580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4918, 0.3131, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **70.9099, 0.3142, 0.2981**, and if you desaturate by 10%, it is **96.3461, 0.3120, 0.3438**.

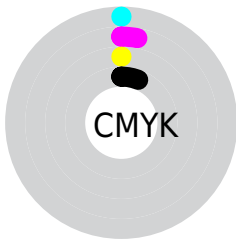
Distribution



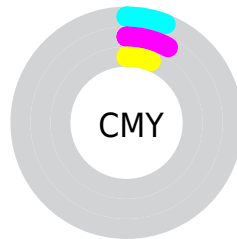
- Red (94%)
- Green (92%)
- Blue (94%)



- Red (94%)
- Yellow (92%)
- Blue (94%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)





- Cyan (6%)
- Magenta (8%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6622, 0.3130, 0.3229 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 83.6622, 0.3130, 0.3229 by changing the saturation by 10% instead.

 83.6622, 0.3130,
0.3229

 83.6622, 0.3130,
0.3229


507.1908, 0.3129,
0.3257

 62.7366, 0.3130,
0.3223


138.5025, 0.3130,
0.3238

 45.6281, 0.3131,
0.3215


173.1861, 0.3129,
0.3242

 31.9525, 0.3131,
0.3206


213.2243, 0.3129,
0.3245

 21.3252, 0.3131,
0.3194

259.0018, 0.3129,
0.3248

 13.3619, 0.3132,
0.3178

310.9027, 0.3129,
0.3251

 7.6782, 0.3133,
0.3156

369.3116, 0.3129,

 3.8898, 0.3134,

0.3253

0.3123

434.6129, 0.3129,
0.3255

■ 1.6121, 0.3135,
0.3067

■ 0.3657, 0.3154,
0.2726

■ 83.6622, 0.3130,
0.3229

■ 83.6622, 0.3130,
0.3229

■ 70.9099, 0.3142,
0.2981

■ 96.3461, 0.3120,
0.3438

■ 59.9315, 0.3153,
0.2730

■ 96.3484, 0.3120,
0.3438

■ 50.6518, 0.3165,
0.2482

■ 96.3507, 0.3120,
0.3438

■ 42.9859, 0.3176,
0.2247

■ 96.3530, 0.3121,
0.3438

36.8417, 0.3185,
0.2035

96.3553, 0.3121,
0.3438

32.1178, 0.3194,
0.1855

96.3576, 0.3121,
0.3438

28.7006, 0.3200,
0.1714

96.3599, 0.3121,
0.3438

26.4589, 0.3205,
0.1616

96.3622, 0.3121,
0.3438

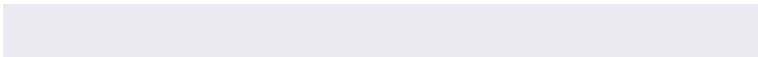
25.2345, 0.3207,
0.1561

96.3646, 0.3121,
0.3438

Harmonies

Analogous

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



83.6622, 0.3087, 0.3215



83.6622, 0.3130, 0.3229



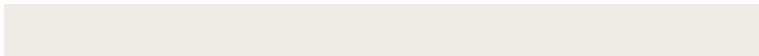
83.6622, 0.3173, 0.3259

Triad

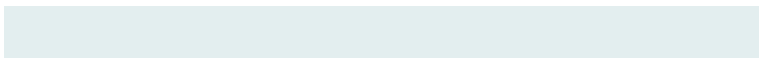
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6622, 0.3130, 0.3229



83.6622, 0.3200, 0.3359



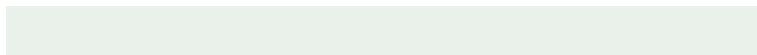
83.6622, 0.3052, 0.3283

Complementary

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



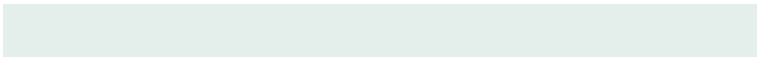
83.6622, 0.3130, 0.3229



85.7719, 0.3124, 0.3352

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.



83.6622, 0.3082, 0.3322



83.6622, 0.3130, 0.3229



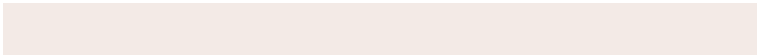
83.6622, 0.3167, 0.3366

Square

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



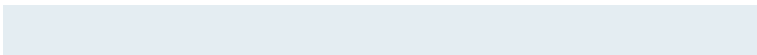
83.6622, 0.3130, 0.3229



83.6622, 0.3213, 0.3333



83.6622, 0.3124, 0.3353



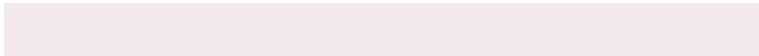
83.6622, 0.3042, 0.3246

Rectangle

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



83.6622, 0.3130, 0.3229



83.6622, 0.3195, 0.3284



83.6622, 0.3124, 0.3353



83.6622, 0.3060, 0.3296

Sweetspot

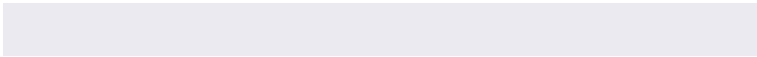
The Sweet Spot groups the original color and five complimentary colors.



83.6658, 0.3130, 0.3229



98.3835, 0.3128, 0.3266



82.6840, 0.3090, 0.3229



21.0752, 0.3128, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

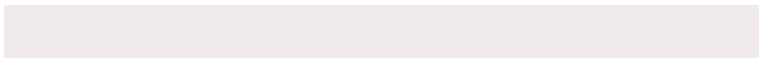
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6658, 0.3130, 0.3229



95.2150, 0.3131, 0.3217



83.4942, 0.3148, 0.3258



17.6088, 0.3131, 0.3198



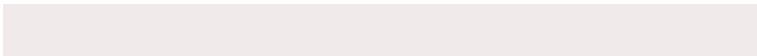
13.5725, 0.3208, 0.1541



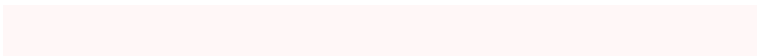
1.1293, 0.3208, 0.1541

Inverse Universe

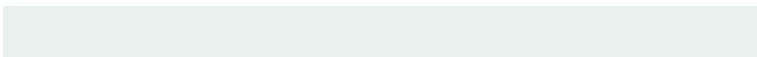
The Inverse Universe completely reimagines the original color for something new.



83.3135, 0.3168, 0.3290



94.7331, 0.3176, 0.3290



85.9405, 0.3107, 0.3322



17.4958, 0.3189, 0.3290



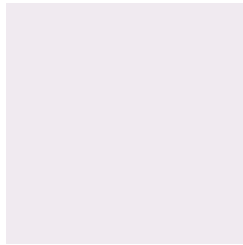
10.1412, 0.6400, 0.3299



0.8437, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 83.6622, 0.3130, 0.3229 looks on a white background.

Color Contrast Check

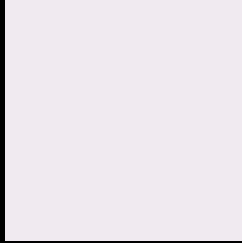
Large Text (above 18pt) WCAG AA × Fail

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 83.6622, 0.3130, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

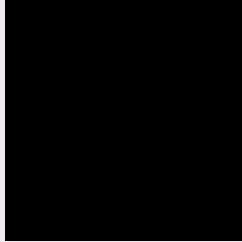
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

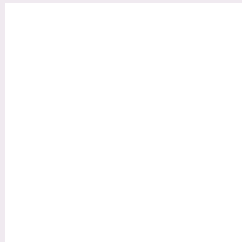
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6622, 0.3130, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 83.6622, 0.3130, 0.3229.

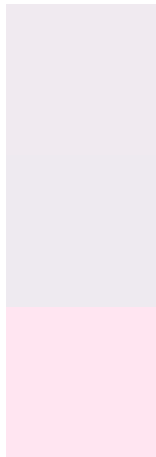


This preview shows how white text looks on a background with the Yxy color 83.6622, 0.3130, 0.3229.

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

83.6622, 0.3130, 0.3229

Protanopia

83.3141, 0.3117, 0.3229

Deuteranopia

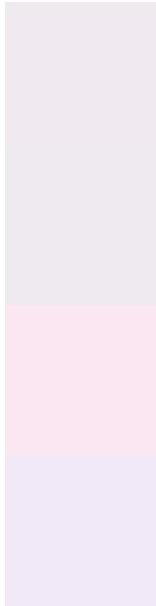
83.6495, 0.3229, 0.3173



Tritanopia

83.5555, 0.3076, 0.3101

Trichromacy



Original Color

83.6622, 0.3130, 0.3229

Protanomaly

83.4876, 0.3123, 0.3229

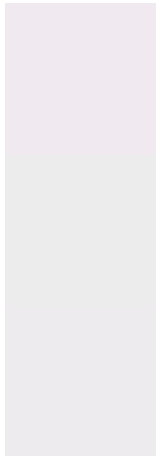
Deuteranomaly

83.8267, 0.3193, 0.3191

Tritanomaly

83.6940, 0.3094, 0.3150

Monochromacy



Original Color

83.6622, 0.3130, 0.3229

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.5356, 0.3128, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6622, 0.3130, 0.3229 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(240, 234, 240)` looks like.

```
.text, #text, p{  
    color:rgb(240, 234, 240)  
}
```

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(240, 234, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 234, 240) }
```

Border

The CSS property to change the border of an element to Yxy 83.6622, 0.3130, 0.3229 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(240, 234, 240) }
```

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

```
.border{ border-color:rgb(240, 234, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 234, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 234, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 234, 240);  
box-shadow:4px 4px 4px 4px rgb(240, 234,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6622, 0.3130, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 234, 240) }
```

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

```
.background{ background-color: rgb(240,  
234, 240) }
```

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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