

Converting Colors

Yxy(83.0584, 0.3063, 0.3130)

Have a look what the booklet for
Yxy(83.0584, 0.3063, 0.3130)
contains.

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Color

Yxy(83.2945, 0.3062, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	EEE9F9
RGB	238, 233, 249
RGB Percent	93%, 91%, 98%
CMY	0.0664, 0.0863, 0.0236
CMYK	0.04, 0.06, 0.00, 0.02
HSL	259°, 57%, 95%
HSV	259°, 6%, 98%
XYZ	81.5109, 83.2945, 101.3962
YIQ	236.3190, -2.1560, 6.0360

Conversions

Conversions Part 2

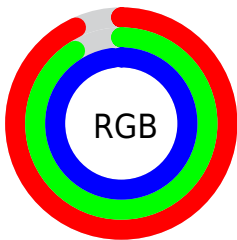
Format	Color
R _Y B	238, 233, 249
Decimal	15657465
CIE Lab	93.14, 4.59, -7.13
CIE LCh	93, 8.481, 302.799
Yxy	83.2945, 0.3062, 0.3129
Android (android.graphics.Color)	4293847545 (0xFFEEE9F9)
YUV	236.3190, 6.2517, 1.4742
Hunter-Lab	91.2658, -0.2940, -1.9850

Details

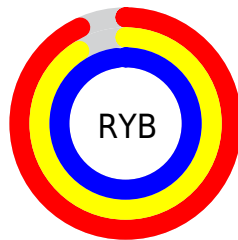
The Yxy color $83.2945, 0.3062, 0.3129$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $92.8481, 0.3190, 0.3449$, and the grayscale version is $84.0978, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.2396, 0.3043, 0.3084$ is the 20% darker color. If you saturate the color by 10%, you get $67.3746, 0.2947, 0.2857$, and if you desaturate by 10%, it is $99.6191, 0.3162, 0.3347$.

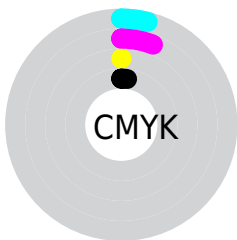
Distribution



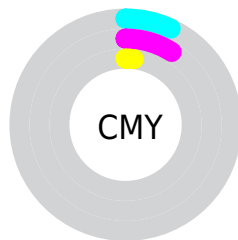
- Red (93%)
- Green (91%)
- Blue (98%)



- Red (93%)
- Yellow (91%)
- Blue (98%)



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)




- Cyan (7%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2945, 0.3062, 0.3129 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 83.2945, 0.3062, 0.3129 by changing the saturation by 10% instead.

 83.2945, 0.3062,
0.3129

 83.2945, 0.3062,
0.3129


505.9675, 0.3092,
0.3201

 62.4331, 0.3055,
0.3113


137.9879, 0.3072,
0.3154

 45.3828, 0.3047,
0.3094


172.5886, 0.3076,
0.3163

 31.7590, 0.3037,
0.3069


212.5380, 0.3080,
0.3172

 21.1775, 0.3024,
0.3038

258.2203, 0.3083,
0.3179

 13.2538, 0.3006,
0.2997

310.0201, 0.3085,
0.3186

 7.6036, 0.2980,
0.2940

368.3216, 0.3088,

 3.8423, 0.2942,

0.3191

0.2856

433.5093, 0.3090,
0.3196

■ 1.5858, 0.2877,
0.2718

■ 0.3480, 0.2655,
0.2086

■ 83.2945, 0.3062,
0.3129

■ 83.2945, 0.3062,
0.3129

■ 67.3746, 0.2947,
0.2857

■ 99.6191, 0.3162,
0.3347

■ 53.6278, 0.2816,
0.2560

■ 41.9610, 0.2668,
0.2245

■ 32.2701, 0.2507,
0.1921

■ 24.4419, 0.2337,
0.1602

■ 18.3513, 0.2166,
0.1308

■ 13.8571, 0.2004,
0.1058

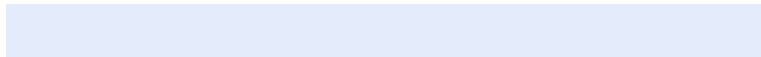
■ 10.7953, 0.1860,
0.0868

■ 8.9623, 0.1743,
0.0746

Harmonies

Analogous

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



83.2945, 0.2982, 0.3129



83.2945, 0.3062, 0.3129



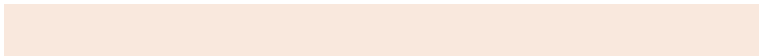
83.2945, 0.3160, 0.3170

Triad

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



83.2945, 0.3062, 0.3129



83.2945, 0.3317, 0.3405



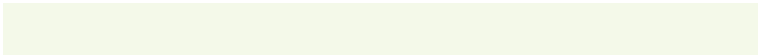
83.2945, 0.3004, 0.3338

Complementary

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



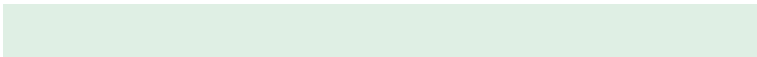
83.2945, 0.3062, 0.3129



92.8481, 0.3190, 0.3449

Split Complementary

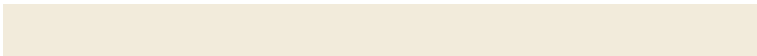
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2945, 0.3092, 0.3415



83.2945, 0.3062, 0.3129



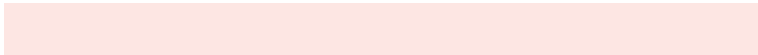
83.2945, 0.3273, 0.3453

Square

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



83.2945, 0.3062, 0.3129



83.2945, 0.3309, 0.3327



83.2945, 0.3191, 0.3457



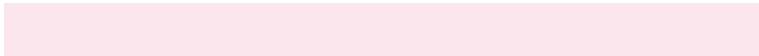
83.2945, 0.2949, 0.3248

Rectangle

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



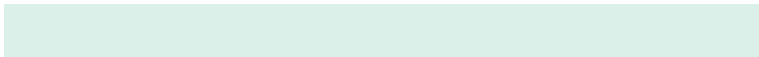
83.2945, 0.3062, 0.3129



83.2945, 0.3223, 0.3216



83.2945, 0.3191, 0.3457



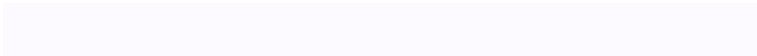
83.2945, 0.3031, 0.3366

Sweetspot

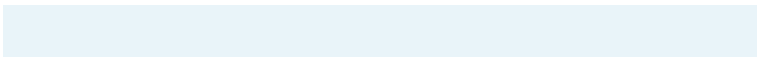
The Sweet Spot groups the original color and five complimentary colors.



83.2981, 0.3062, 0.3129



96.1343, 0.3108, 0.3241



88.8167, 0.3028, 0.3239



20.6172, 0.3109, 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.



83.2981, 0.3062, 0.3129



85.1199, 0.3045, 0.3088



84.7139, 0.3115, 0.3132



16.9099, 0.3029, 0.3048



4.6153, 0.1722, 0.0722



0.4815, 0.1848, 0.0792

Inverse Universe

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



84.9367, 0.3166, 0.3182



87.2585, 0.3177, 0.3155



91.4487, 0.3138, 0.3452



17.4255, 0.3187, 0.3129



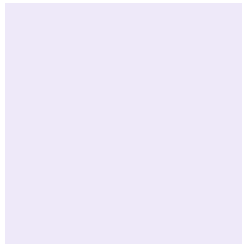
12.3630, 0.4212, 0.2094



1.1643, 0.4062, 0.2011

Previews

White Background



This preview shows how the Yxy color 83.2945, 0.3062, 0.3129 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 83.2945, 0.3062, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

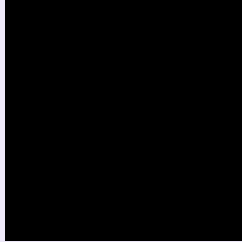
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

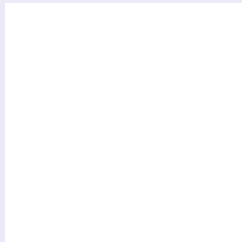
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2945, 0.3062, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 83.2945, 0.3062, 0.3129.



This preview shows how white text looks on a background with the Yxy color 83.2945, 0.3062, 0.3129.

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

83.2945, 0.3062, 0.3129

Protanopia

83.3474, 0.3042, 0.3138

Deuteranopia

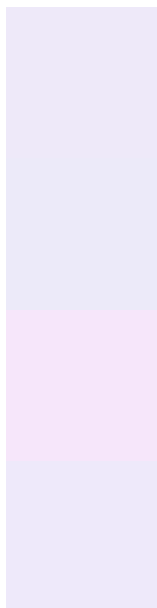
82.8982, 0.3144, 0.3074



Tritanopia

83.4200, 0.3049, 0.3109

Trichromacy



Original Color

83.2945, 0.3062, 0.3129

Protanomaly

83.5181, 0.3048, 0.3139

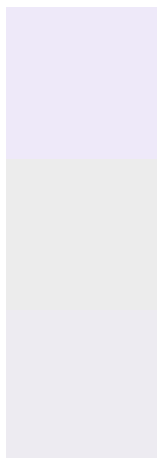
Deuteranomaly

83.0886, 0.3109, 0.3092

Tritanomaly

83.3571, 0.3055, 0.3119

Monochromacy



Original Color

83.2945, 0.3062, 0.3129

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7721, 0.3103, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2945, 0.3062, 0.3129 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(238, 233, 249)` looks like.

```
.text, #text, p{  
    color:rgb(238, 233, 249)  
}
```

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(238, 233, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 233, 249) }
```

Border

The CSS property to change the border of an element to Yxy 83.2945, 0.3062, 0.3129 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(238, 233, 249) }
```

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

```
.border{ border-color:rgb(238, 233, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 233, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 233, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 233, 249);  
box-shadow:4px 4px 4px 4px rgb(238, 233,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2945, 0.3062, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 233, 249) }
```

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

```
.background{ background-color: rgb(238,  
233, 249) }
```

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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