

Converting Colors

$Y_{xy}(82.6272, 0.3030, 0.3049)$

Have a look what the booklet for
Yxy(82.6272, 0.3030, 0.3049)
contains.

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Color

Yxy(82.7226, 0.3032, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	EFE7FF
RGB	239, 231, 255
RGB Percent	94%, 91%, 100%
CMY	0.0626, 0.0941, 0.0000
CMYK	0.06, 0.09, 0.00, 0.00
HSL	260°, 100%, 95%
HSV	260°, 9%, 100%
XYZ	82.2344, 82.7226, 106.2646
YIQ	236.1280, -2.9360, 9.1600

Conversions

Conversions Part 2

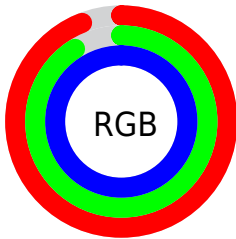
Format	Color
R _Y B	239, 231, 255
Decimal	15722495
CIE Lab	92.89, 7.07, -10.64
CIE LCh	93, 12.775, 303.626
Yxy	82.7226, 0.3032, 0.3050
Android (android.graphics.Color)	4293912575 (0xFFEFE7FF)
YUV	236.1280, 9.3039, 2.5187
Hunter-Lab	90.9520, 2.2252, -5.6057

Details

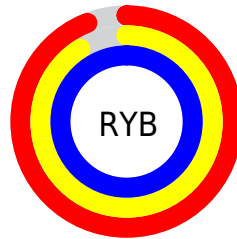
The Yxy color **82.7226, 0.3032, 0.3050** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97.0555, 0.3216, 0.3526**, and the grayscale version is **83.9167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8044, 0.3012, 0.2996** is the 20% darker color. If you saturate the color by 10%, you get **66.6602, 0.2916, 0.2771**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

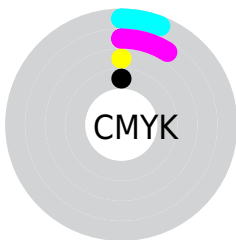
Distribution



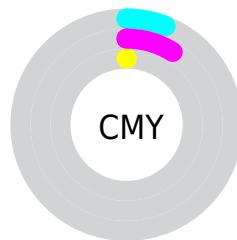
- Red (94%)
- Green (91%)
- Blue (100%)



- Red (94%)
- Yellow (91%)
- Blue (100%)



- Cyan (6%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7226, 0.3032, 0.3050 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 82.7226, 0.3032, 0.3050 by changing the saturation by 10% instead.

82.7226, 0.3032,
0.3050

82.7226, 0.3032,
0.3050

504.0616, 0.3076,
0.3157

61.9613, 0.3022,
0.3026

137.1869, 0.3047,
0.3086

45.0015, 0.3010,
0.2998

171.6587, 0.3053,
0.3101

31.4586, 0.2995,
0.2962

211.4694, 0.3058,
0.3113

20.9483, 0.2975,
0.2917

257.0036, 0.3062,
0.3124

13.0862, 0.2949,
0.2857

308.6454, 0.3066,
0.3134

7.4879, 0.2911,
0.2774

366.7795, 0.3070,

3.7691, 0.2854,

0.3142

0.2653

431.7900, 0.3073,
0.3150

■ 1.5452, 0.2758,
0.2458

■ 0.3203, 0.2517,
0.1690

■ 82.7226, 0.3032,
0.3050

■ 82.7226, 0.3032,
0.3050

■ 66.6602, 0.2916,
0.2771

100.0000, 0.3127,
0.3290

■ 52.8555, 0.2783,
0.2469

■ 41.2059, 0.2634,
0.2151

■ 31.5993, 0.2473,
0.1829

■ 23.9129, 0.2306,
0.1518

■ 18.0105, 0.2139,
0.1237

■ 13.7369, 0.1982,
0.1005

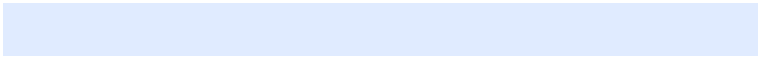
■ 10.9092, 0.1846,
0.0836

■ 9.2506, 0.1736,
0.0732

Harmonies

Analogous

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



82.7226, 0.2911, 0.3047



82.7226, 0.3032, 0.3050



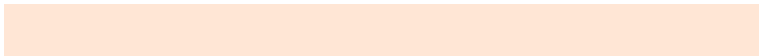
82.7226, 0.3181, 0.3113

Triad

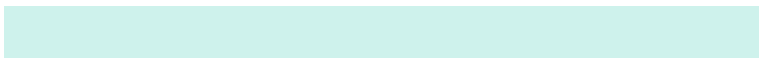
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7226, 0.3032, 0.3050



82.7226, 0.3413, 0.3464



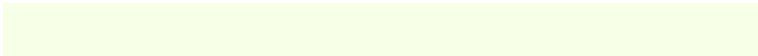
82.7226, 0.2939, 0.3358

Complementary

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



82.7226, 0.3032, 0.3050



97.0555, 0.3216, 0.3526

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.



82.7226, 0.3069, 0.3477



82.7226, 0.3032, 0.3050



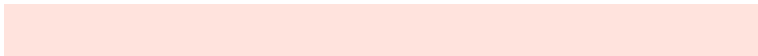
82.7226, 0.3344, 0.3537

Square

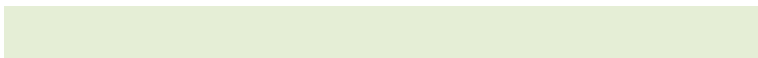
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7226, 0.3032, 0.3050



82.7226, 0.3403, 0.3348



82.7226, 0.3218, 0.3543



82.7226, 0.2859, 0.3222

Rectangle

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



82.7226, 0.3032, 0.3050



82.7226, 0.3276, 0.3181



82.7226, 0.3218, 0.3543



82.7226, 0.2978, 0.3402

Sweetspot

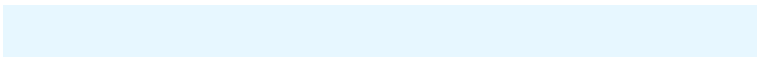
The Sweet Spot groups the original color and five complimentary colors.



82.7242, 0.3032, 0.3050



94.2637, 0.3098, 0.3216



90.7275, 0.2981, 0.3210



19.8561, 0.3090, 0.3196



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.



82.7242, 0.3032, 0.3050



80.0231, 0.3015, 0.3008



84.8764, 0.3111, 0.3056



17.6733, 0.3031, 0.3048



4.8649, 0.1745, 0.0735



0.5307, 0.1867, 0.0802

Inverse Universe

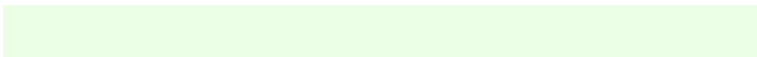
The Inverse Universe completely reimagines the original color for something new.



85.1202, 0.3189, 0.3135



82.8003, 0.3200, 0.3108



94.9501, 0.3141, 0.3532



18.1908, 0.3190, 0.3133



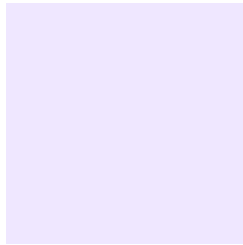
12.6459, 0.4283, 0.2133



1.2516, 0.4129, 0.2048

Previews

White Background



This preview shows how the Yxy color 82.7226, 0.3032, 0.3050 looks on a white background.

Color Contrast Check

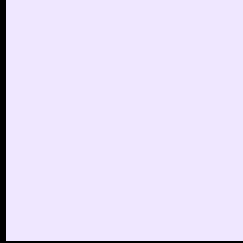
Large Text (above 18pt) WCAG AA × Fail

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 82.7226, 0.3032, 0.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

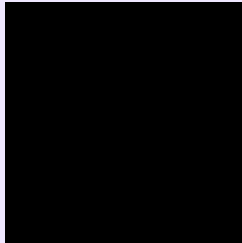
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.7226, 0.3032, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 82.7226, 0.3032, 0.3050.

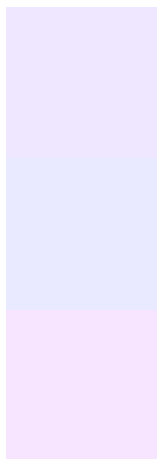


This preview shows how white text looks on a background with the Yxy color 82.7226, 0.3032, 0.3050.

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

82.7226, 0.3032, 0.3050

Protanopia

82.8215, 0.2993, 0.3068

Deuteranopia

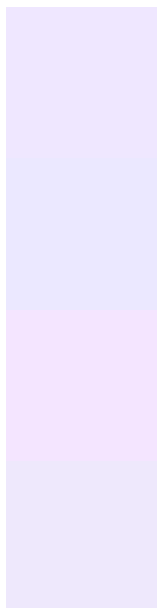
82.4810, 0.3086, 0.3024



Tritanopia

82.7925, 0.3056, 0.3109

Trichromacy



Original Color

82.7226, 0.3032, 0.3050

Protanomaly

82.5954, 0.3006, 0.3059

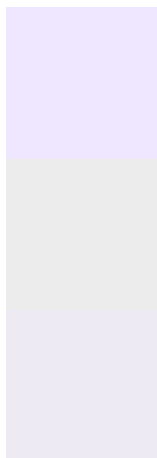
Deuteranomaly

82.4917, 0.3065, 0.3033

Tritanomaly

82.9186, 0.3043, 0.3089

Monochromacy



Original Color

82.7226, 0.3032, 0.3050

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.3212, 0.3091, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7226, 0.3032, 0.3050 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(239, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 231, 255)  
}
```

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(239, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.7226, 0.3032, 0.3050 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(239, 231, 255) }
```

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

```
.border{ border-color:rgb(239, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 231,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.7226, 0.3032, 0.3050$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 231, 255) }
```

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

```
.background{ background-color: rgb(239,  
231, 255) }
```

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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