

Converting Colors

Yxy(82.9544, 0.3035, 0.3156)

Have a look what the booklet for
Yxy(82.9544, 0.3035, 0.3156)
contains.

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Color

Yxy(82.7168, 0.3034, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	E8EAF7
RGB	232, 234, 247
RGB Percent	91%, 92%, 97%
CMY	0.0902, 0.0823, 0.0312
CMYK	0.06, 0.05, 0.00, 0.03
HSL	232°, 49%, 94%
HSV	232°, 6%, 97%
XYZ	79.4941, 82.7168, 99.7999
YIQ	234.8840, -5.3650, 3.6190

Conversions

Conversions Part 2

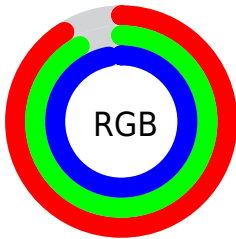
Format	Color
R _Y B	232, 234, 247
Decimal	15264503
CIE Lab	92.89, 1.73, -6.53
CIE LCh	93, 6.760, 284.856
Yxy	82.7168, 0.3034, 0.3157
Android (android.graphics.Color)	4293454583 (0xFFE8EAF7)
YUV	234.8840, 5.9732, -2.5293
Hunter-Lab	90.9488, -3.1419, -1.3960

Details

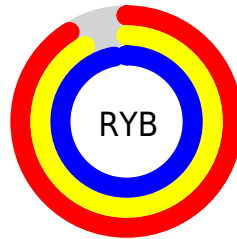
The Yxy color **82.7168, 0.3034, 0.3157** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.9332, 0.3219, 0.3420**, and the grayscale version is **82.9452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8325, 0.3008, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **67.4063, 0.2867, 0.2915**, and if you desaturate by 10%, it is **99.4976, 0.3173, 0.3366**.

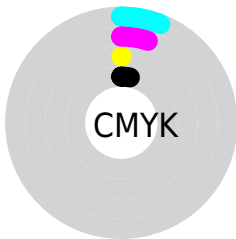
Distribution



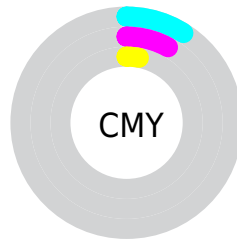
- Red (91%)
- Green (92%)
- Blue (97%)



- Red (91%)
- Yellow (92%)
- Blue (97%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (9%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7168, 0.3034, 0.3157 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 82.7168, 0.3034, 0.3157 by changing the saturation by 10% instead.

82.7168, 0.3034,
0.3157

82.7168, 0.3034,
0.3157

504.0422, 0.3076,
0.3217

61.9566, 0.3025,
0.3144

137.1787, 0.3048,
0.3178

44.9976, 0.3013,
0.3127

171.6492, 0.3054,
0.3186

31.4555, 0.2999,
0.3107

211.4586, 0.3059,
0.3193

20.9460, 0.2980,
0.3081

256.9912, 0.3063,
0.3199

13.0845, 0.2955,
0.3046

308.6315, 0.3067,
0.3204

7.4868, 0.2920,
0.2997

366.7638, 0.3071,

3.7683, 0.2867,

0.3209

0.2924

431.7726, 0.3074,
0.3213

■ 1.5448, 0.2778,
0.2804

■ 0.3200, 0.2354,
0.2174

■ 82.7168, 0.3034,
0.3157

■ 82.7168, 0.3034,
0.3157

■ 67.4063, 0.2867,
0.2915

■ 99.4976, 0.3173,
0.3366

■ 54.0709, 0.2684,
0.2644

■ 42.6328, 0.2488,
0.2346

■ 33.0053, 0.2284,
0.2030

■ 25.0947, 0.2083,
0.1708

■ 18.7988, 0.1896,
0.1396

■ 14.0043, 0.1737,
0.1117

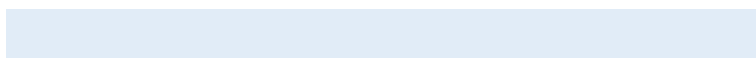
■ 10.5830, 0.1617,
0.0890

■ 8.3838, 0.1543,
0.0730

Harmonies

Analogous

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



82.7168, 0.2987, 0.3178



82.7168, 0.3034, 0.3157



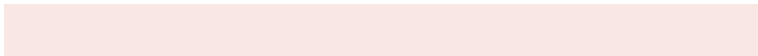
82.7168, 0.3106, 0.3170

Triad

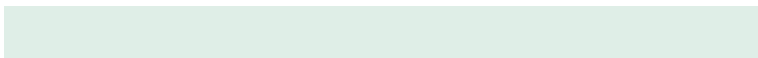
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7168, 0.3034, 0.3157



82.7168, 0.3280, 0.3347



82.7168, 0.3069, 0.3367

Complementary

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



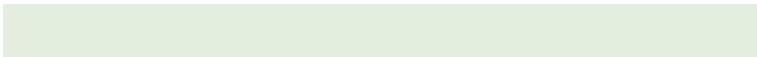
82.7168, 0.3034, 0.3157



90.9332, 0.3219, 0.3420

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.



82.7168, 0.3147, 0.3414



82.7168, 0.3034, 0.3157



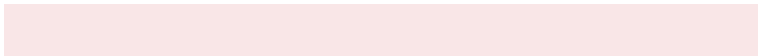
82.7168, 0.3269, 0.3401

Square

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



82.7168, 0.3034, 0.3157



82.7168, 0.3249, 0.3279



82.7168, 0.3220, 0.3426



82.7168, 0.3007, 0.3300

Rectangle

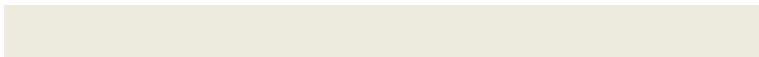
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



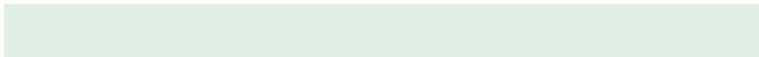
82.7168, 0.3034, 0.3157



82.7168, 0.3159, 0.3197



82.7168, 0.3220, 0.3426



82.7168, 0.3094, 0.3386

Sweetspot

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



82.7203, 0.3034, 0.3157



96.2570, 0.3097, 0.3247



90.2942, 0.3044, 0.3310



20.6422, 0.3099, 0.3250



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.



82.7203, 0.3034, 0.3157



87.2915, 0.3019, 0.3136



82.5245, 0.3071, 0.3138



16.9144, 0.3010, 0.3123



4.2372, 0.1529, 0.0702



0.4816, 0.1577, 0.0878

Inverse Universe

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



83.4351, 0.3217, 0.3270



88.1784, 0.3232, 0.3267



91.1630, 0.3181, 0.3441



17.1027, 0.3241, 0.3265



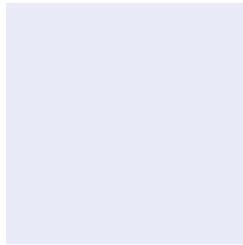
10.5271, 0.6229, 0.3205



0.9363, 0.5946, 0.3049

Previews

White Background



This preview shows how the Yxy color 82.7168, 0.3034, 0.3157 looks on a white background.

Color Contrast Check

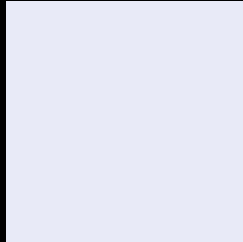
Large Text (above 18pt) WCAG AA × Fail

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 82.7168, 0.3034, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

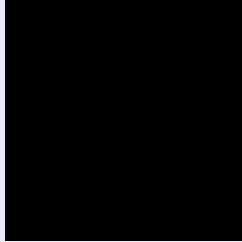
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

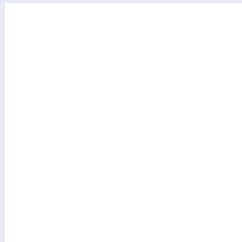
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7168, 0.3034, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 82.7168, 0.3034, 0.3157.

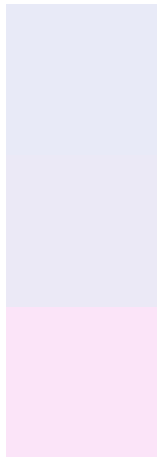


This preview shows how white text looks on a background with the Yxy color 82.7168, 0.3034, 0.3157.

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

82.7168, 0.3034, 0.3157

Protanopia

82.5938, 0.3060, 0.3158

Deuteranopia

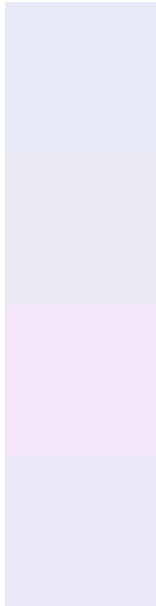
82.7733, 0.3157, 0.3093



Tritanopia

82.6297, 0.3011, 0.3098

Trichromacy



Original Color

82.7168, 0.3034, 0.3157

Protanomaly

82.4241, 0.3054, 0.3158

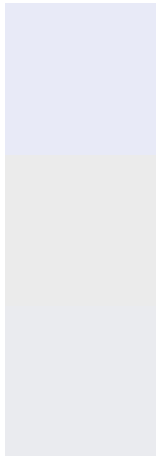
Deuteranomaly

82.6040, 0.3109, 0.3111

Tritanomaly

82.5036, 0.3023, 0.3117

Monochromacy



Original Color

82.7168, 0.3034, 0.3157

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1411, 0.3096, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7168, 0.3034, 0.3157 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(232, 234, 247)` looks like.

```
.text, #text, p{  
    color:rgb(232, 234, 247)  
}
```

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(232, 234, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 234, 247) }
```

Border

The CSS property to change the border of an element to Yxy 82.7168, 0.3034, 0.3157 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(232, 234, 247) }
```

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

```
.border{ border-color:rgb(232, 234, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 234, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 234, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 234, 247);  
box-shadow:4px 4px 4px 4px rgb(232, 234,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7168, 0.3034, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 234, 247) }
```

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

```
.background{ background-color: rgb(232,  
234, 247) }
```

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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