

Converting Colors

$Yxy(84.4500, 0.3006, 0.3117)$

Have a look what the booklet for
Yxy(84.4500, 0.3006, 0.3117)
contains.

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Color

Yxy(84.4064, 0.3005, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	E9ECFD
RGB	233, 236, 253
RGB Percent	91%, 93%, 99%
CMY	0.0860, 0.0746, 0.0077
CMYK	0.08, 0.07, 0.00, 0.01
HSL	231°, 83%, 95%
HSV	231°, 8%, 99%
XYZ	81.3474, 84.4064, 104.9531
YIQ	237.0410, -7.2450, 4.6510

Conversions

Conversions Part 2

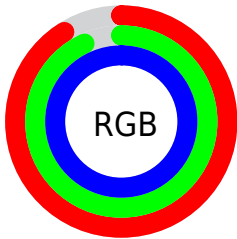
Format	Color
R _Y B	233, 236, 253
Decimal	15330557
CIE Lab	93.63, 2.19, -8.55
CIE LCh	94, 8.829, 284.375
Yxy	84.4064, 0.3005, 0.3118
Android (android.graphics.Color)	4293520637 (0xFFE9ECFD)
YUV	237.0410, 7.8678, -3.5440
Hunter-Lab	91.8730, -2.7278, -3.4201

Details

The Yxy color **84.4064, 0.3005, 0.3118** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.2106, 0.3247, 0.3456**, and the grayscale version is **84.6735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9752, 0.2978, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **68.7567, 0.2835, 0.2874**, and if you desaturate by 10%, it is **99.8735, 0.3139, 0.3309**.

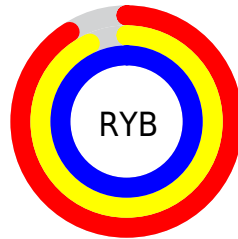
Distribution



Red (91%)

Green (93%)

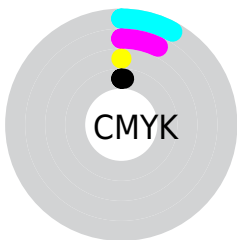
Blue (99%)



Red (91%)

Yellow (93%)

Blue (99%)

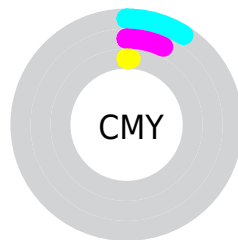


Cyan (8%)

Magenta (7%)

Yellow (0%)

Black (1%)



Cyan (9%)

Magenta (7%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4064, 0.3005, 0.3118 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 84.4064, 0.3005, 0.3118 by changing the saturation by 10% instead.

84.4064, 0.3005,
0.3118

84.4064, 0.3005,
0.3118

509.6618, 0.3060,
0.3195

63.3510, 0.2993,
0.3101

139.5435, 0.3024,
0.3144

46.1252, 0.2978,
0.3080

174.3941, 0.3031,
0.3155

32.3447, 0.2959,
0.3054

214.6118, 0.3038,
0.3164

21.6249, 0.2935,
0.3021

260.5811, 0.3043,
0.3171

13.5815, 0.2903,
0.2977

312.6863, 0.3048,
0.3178

7.8302, 0.2858,
0.2916

371.3119, 0.3053,

3.9865, 0.2791,

0.3185

0.2826

436.8423, 0.3057,
0.3190

■ 1.6660, 0.2680,
0.2679

■ 0.4015, 0.2323,
0.2143

■ 84.4064, 0.3005,
0.3118

■ 84.4064, 0.3005,
0.3118

■ 68.7567, 0.2835,
0.2874

99.8735, 0.3139,
0.3309

■ 55.1390, 0.2650,
0.2602

■ 43.4726, 0.2453,
0.2305

■ 33.6672, 0.2250,
0.1990

■ 25.6254, 0.2052,
0.1671

■ 19.2409, 0.1870,
0.1366

■ 14.3954, 0.1718,
0.1094

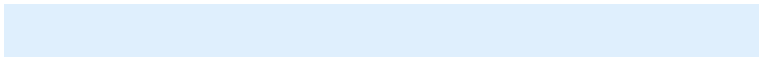
■ 10.9545, 0.1606,
0.0876

■ 8.7543, 0.1538,
0.0723

Harmonies

Analogous

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



84.4064, 0.2945, 0.3146



84.4064, 0.3005, 0.3118



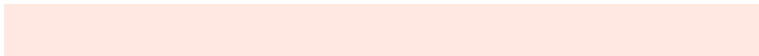
84.4064, 0.3098, 0.3135

Triad

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



84.4064, 0.3005, 0.3118



84.4064, 0.3325, 0.3362



84.4064, 0.3053, 0.3392

Complementary

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



84.4064, 0.3005, 0.3118



95.2106, 0.3247, 0.3456

Split Complementary

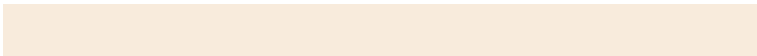
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4064, 0.3154, 0.3452



84.4064, 0.3005, 0.3118



84.4064, 0.3312, 0.3433

Square

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



84.4064, 0.3005, 0.3118



84.4064, 0.3284, 0.3274



84.4064, 0.3249, 0.3466



84.4064, 0.2973, 0.3304

Rectangle

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



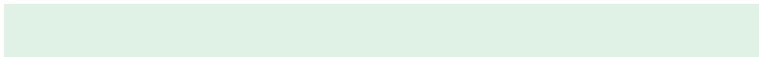
84.4064, 0.3005, 0.3118



84.4064, 0.3167, 0.3169



84.4064, 0.3249, 0.3466



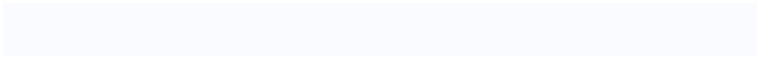
84.4064, 0.3085, 0.3416

Sweetspot

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



84.4100, 0.3005, 0.3118



96.2990, 0.3097, 0.3248



94.5051, 0.3021, 0.3319



20.6508, 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.



84.4100, 0.3005, 0.3118



84.0347, 0.2987, 0.3092



83.9416, 0.3051, 0.3091



17.8065, 0.2979, 0.3081



4.6023, 0.1532, 0.0716



0.5698, 0.1579, 0.0882

Inverse Universe

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



85.2567, 0.3245, 0.3262



85.0231, 0.3263, 0.3257



95.7533, 0.3200, 0.3487



18.0304, 0.3271, 0.3255



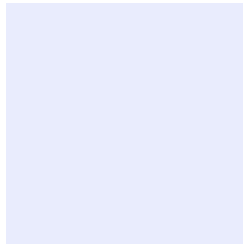
11.1926, 0.6206, 0.3192



1.1021, 0.5939, 0.3046

Previews

White Background



This preview shows how the Yxy color 84.4064, 0.3005, 0.3118 looks on a white background.

Color Contrast Check

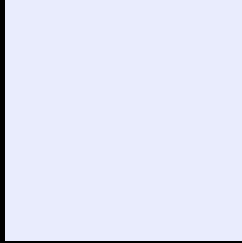
Large Text (above 18pt) WCAG AA × Fail

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 84.4064, 0.3005, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

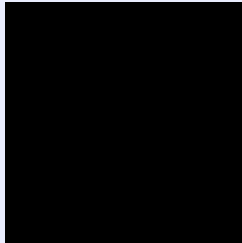
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

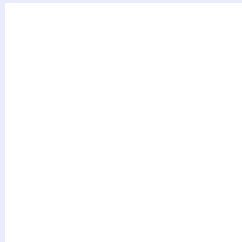
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4064, 0.3005, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 84.4064, 0.3005, 0.3118.

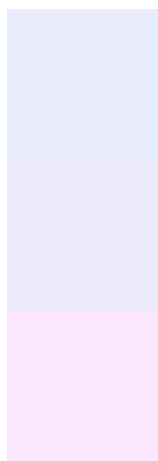


This preview shows how white text looks on a background with the Yxy color 84.4064, 0.3005, 0.3118.

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

84.4064, 0.3005, 0.3118

Protanopia

84.2778, 0.3030, 0.3119

Deuteranopia

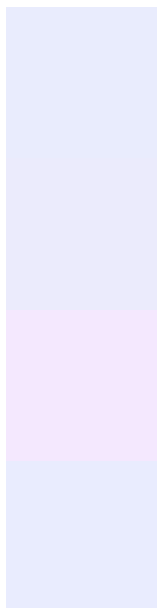
84.2586, 0.3118, 0.3056



Tritanopia

84.4703, 0.2999, 0.3109

Trichromacy



Original Color

84.4064, 0.3005, 0.3118

Protanomaly

84.1071, 0.3024, 0.3119

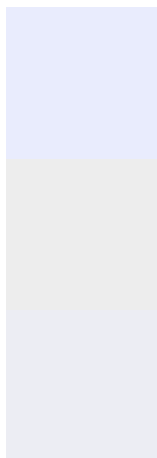
Deuteranomaly

84.1021, 0.3071, 0.3072

Tritanomaly

84.4703, 0.2999, 0.3109

Monochromacy



Original Color

84.4064, 0.3005, 0.3118

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.8723, 0.3084, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4064, 0.3005, 0.3118 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(233, 236, 253)` looks like.

```
.text, #text, p{  
    color:rgb(233, 236, 253)  
}
```

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(233, 236, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 236, 253) }
```

Border

The CSS property to change the border of an element to Yxy 84.4064, 0.3005, 0.3118 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(233, 236, 253) }
```

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

```
.border{ border-color:rgb(233, 236, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 236, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 236, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 236, 253);  
box-shadow:4px 4px 4px 4px rgb(233, 236,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4064, 0.3005, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 236, 253) }
```

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

```
.background{ background-color: rgb(233,  
236, 253) }
```

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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