

Converting Colors

$Y_{xy}(100.0000, 0.3686, 0.3145)$

Have a look what the booklet for
Yxy(100.0000, 0.3686, 0.3145)
contains.

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Color

Yxy(84.0140, 0.3190, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5F7
RGB	255, 229, 247
RGB Percent	100%, 90%, 97%
CMY	0.0001, 0.1019, 0.0315
CMYK	0.00, 0.10, 0.03, 0.00
HSL	318°, 100%, 95%
HSV	318°, 10%, 100%
XYZ	86.0368, 84.0140, 99.6571
YIQ	238.8260, 9.7180, 11.1100

Conversions

Conversions Part 2

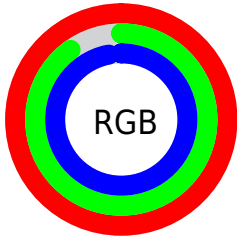
Format	Color
R _Y B	255, 229, 247
Decimal	16770551
CIE Lab	93.46, 11.88, -5.47
CIE LCh	93, 13.075, 335.291
Yxy	84.0140, 0.3190, 0.3115
Android (android.graphics.Color)	4294960631 (0xFFFFE5F7)
YUV	238.8260, 4.0298, 14.1846
Hunter-Lab	91.6592, 7.1474, -0.3021

Details

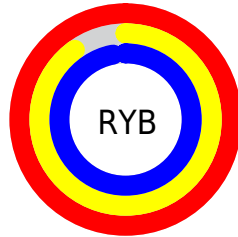
The Yxy color $84.0140, 0.3190, 0.3115$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $94.2789, 0.3069, 0.3472$, and the grayscale version is $86.1358, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.0395, 0.3199, 0.3079$ is the 20% darker color. If you saturate the color by 10%, you get $70.4525, 0.3263, 0.2936$, and if you desaturate by 10%, it is $99.6755, 0.3128, 0.3287$.

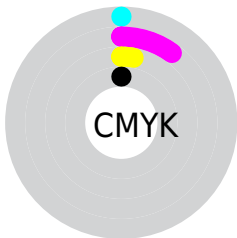
Distribution



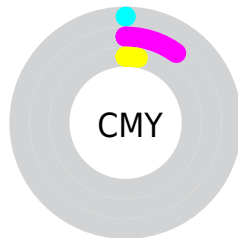
- Red (100%)
- Green (90%)
- Blue (97%)



- Red (100%)
- Yellow (90%)
- Blue (97%)



- Cyan (0%)
- Magenta (10%)
- Yellow (3%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0140, 0.3190, 0.3115 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 84.0140, 0.3190, 0.3115 by changing the saturation by 10% instead.

 84.0140, 0.3190,
0.3115

 84.0140, 0.3190,
0.3115


508.3597, 0.3162,
0.3193

 63.0270, 0.3196,
0.3098

138.9948, 0.3181,
0.3141

 45.8630, 0.3203,
0.3077


173.7573, 0.3177,
0.3152

 32.1378, 0.3213,
0.3051


213.8805, 0.3174,
0.3161

 21.4667, 0.3224,
0.3018

259.7487, 0.3171,
0.3169

 13.4656, 0.3239,
0.2975

311.7463, 0.3168,
0.3176

 7.7499, 0.3260,
0.2915

370.2578, 0.3166,

 3.9354, 0.3291,

0.3182

0.2827

435.6675, 0.3164,
0.3188

■ 1.6375, 0.3339,
0.2686

■ 0.3827, 0.3562,
0.2085

■ 84.0140, 0.3190,
0.3115

■ 84.0140, 0.3190,
0.3115

■ 70.4525, 0.3263,
0.2936

99.6755, 0.3128,
0.3287

■ 58.8897, 0.3348,
0.2753

99.9948, 0.3127,
0.3290

■ 49.2325, 0.3446,
0.2574

■ 41.3760, 0.3557,
0.2406

■ 35.2051, 0.3678,
0.2260

■ 30.5913, 0.3808,
0.2148

■ 27.3875, 0.3941,
0.2079

■ 25.4181, 0.4074,
0.2061

■ 24.4060, 0.4200,
0.2087

Harmonies

Analogous

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



84.0140, 0.3038, 0.3048



84.0140, 0.3190, 0.3115



84.0140, 0.3328, 0.3226

Triad

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



84.0140, 0.3190, 0.3115



84.0140, 0.3342, 0.3544



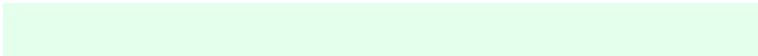
84.0140, 0.2851, 0.3213

Complementary

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



84.0140, 0.3190, 0.3115



94.2789, 0.3069, 0.3472

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.



84.0140, 0.2929, 0.3351



84.0140, 0.3190, 0.3115



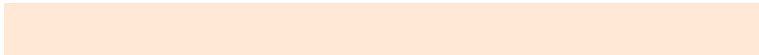
84.0140, 0.3211, 0.3546

Square

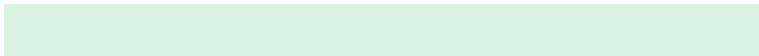
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



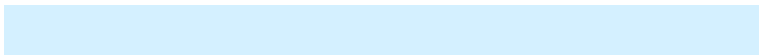
84.0140, 0.3190, 0.3115



84.0140, 0.3417, 0.3472



84.0140, 0.3060, 0.3475



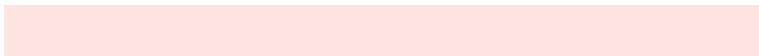
84.0140, 0.2846, 0.3100

Rectangle

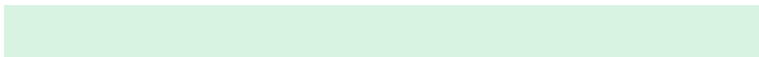
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0140, 0.3190, 0.3115



84.0140, 0.3391, 0.3313



84.0140, 0.3060, 0.3475



84.0140, 0.2870, 0.3258

Sweetspot

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



84.0177, 0.3190, 0.3115



95.0649, 0.3145, 0.3239



81.2381, 0.3018, 0.3029



20.0725, 0.3149, 0.3226



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.



84.0177, 0.3190, 0.3115



81.4142, 0.3202, 0.3083



83.2563, 0.3273, 0.3239



18.1995, 0.3185, 0.3127



12.7837, 0.4179, 0.2076



1.2643, 0.4041, 0.2000

Inverse Universe

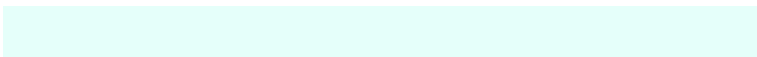
The Inverse Universe completely reimagines the original color for something new.



84.0177, 0.3190, 0.3115



81.4142, 0.3202, 0.3083



95.0520, 0.2998, 0.3342



18.1995, 0.3185, 0.3127



12.7837, 0.4179, 0.2076



1.2643, 0.4041, 0.2000

Previews

White Background



This preview shows how the Yxy color 84.0140, 0.3190, 0.3115 looks on a white background.

Color Contrast Check

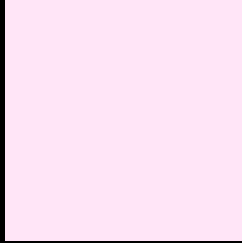
Large Text (above 18pt) WCAG AA × Fail

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 84.0140, 0.3190, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

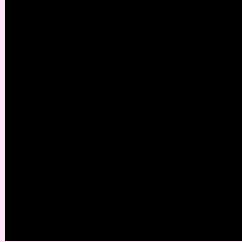
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.0140, 0.3190, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 84.0140, 0.3190, 0.3115.

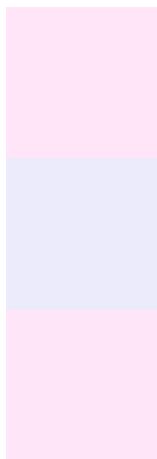


This preview shows how white text looks on a background with the Yxy color 84.0140, 0.3190, 0.3115.

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

84.0140, 0.3190, 0.3115

Protanopia

84.2146, 0.3036, 0.3129

Deuteranopia

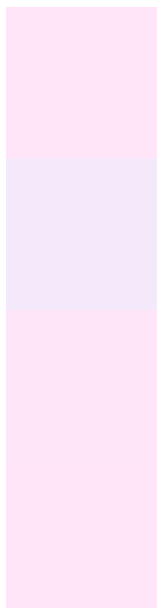
83.8249, 0.3183, 0.3114



Tritanopia

84.0140, 0.3190, 0.3115

Trichromacy



Original Color

84.0140, 0.3190, 0.3115

Protanomaly

84.2346, 0.3088, 0.3121

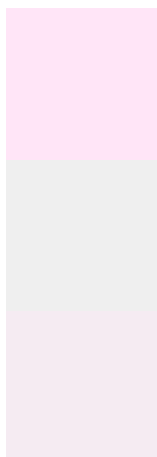
Deuteranomaly

83.8249, 0.3183, 0.3114

Tritanomaly

84.0140, 0.3190, 0.3115

Monochromacy



Original Color

84.0140, 0.3190, 0.3115

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.2399, 0.3150, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0140, 0.3190, 0.3115 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(255, 229, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 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(255, 229, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 247) }
```

Border

The CSS property to change the border of an element to Yxy 84.0140, 0.3190, 0.3115 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(255, 229, 247) }
```

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

```
.border{ border-color:rgb(255, 229, 247) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0140, 0.3190, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 247) }
```

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

```
.background{ background-color: rgb(255,  
229, 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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