

Converting Colors

$Y_{xy}(84.7019, 0.3219, 0.3177)$

Have a look what the booklet for
Yxy(84.7019, 0.3219, 0.3177)
contains.

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Color

Yxy(84.8226, 0.3221, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7F2
RGB	255, 231, 242
RGB Percent	100%, 91%, 95%
CMY	0.0001, 0.0941, 0.0511
CMYK	0.00, 0.09, 0.05, 0.00
HSL	333°, 100%, 95%
HSV	333°, 9%, 100%
XYZ	85.8352, 84.8226, 95.8285
YIQ	239.4300, 10.7730, 8.5090

Conversions

Conversions Part 2

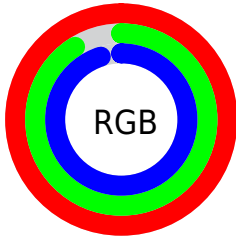
Format	Color
R _Y B	255, 231, 242
Decimal	16771058
CIE Lab	93.81, 9.99, -2.34
CIE LCh	94, 10.262, 346.803
Yxy	84.8226, 0.3221, 0.3183
Android (android.graphics.Color)	4294961138 (0xFFFFE7F2)
YUV	239.4300, 1.2670, 13.6549
Hunter-Lab	92.0992, 5.1861, 2.7786

Details

The Yxy color **84.8226, 0.3221, 0.3183** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.0364, 0.3042, 0.3400**, and the grayscale version is **86.6528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2109, 0.3240, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **70.7756, 0.3341, 0.3063**, and if you desaturate by 10%, it is **99.9975, 0.3127, 0.3290**.

Distribution



Red (100%)

Green (91%)

Blue (95%)



Red (100%)

Yellow (91%)

Blue (95%)

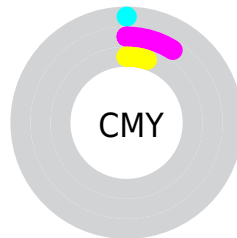


Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8226, 0.3221, 0.3183 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 84.8226, 0.3221, 0.3183 by changing the saturation by 10% instead.


 84.8226, 0.3221,
0.3183

 84.8226, 0.3221,
0.3183

511.0409, 0.3179,
0.3231

 63.6948, 0.3230,
0.3172

140.1253, 0.3207,
0.3199

 46.4035, 0.3242,
0.3160

175.0690, 0.3201,
0.3206

 32.5644, 0.3256,
0.3144


215.3868, 0.3196,
0.3211

 21.7929, 0.3274,
0.3123

261.4630, 0.3192,
0.3216

 13.7048, 0.3298,
0.3096

313.6822, 0.3188,
0.3221

 7.9157, 0.3332,
0.3058

372.4286, 0.3185,

 4.0410, 0.3382,

0.3224

0.3003

438.0867, 0.3182,
0.3228

■ 1.6965, 0.3465,
0.2912

■ 0.4214, 0.3817,
0.2496

■ 84.8226, 0.3221,
0.3183

■ 84.8226, 0.3221,
0.3183

■ 70.7756, 0.3341,
0.3063

99.9975, 0.3127,
0.3290

■ 58.7762, 0.3487,
0.2939

■ 48.7307, 0.3661,
0.2816

■ 40.5335, 0.3865,
0.2700

■ 34.0693, 0.4100,
0.2603

■ 29.2092, 0.4360,
0.2536

■ 25.8066, 0.4635,
0.2513

■ 23.6870, 0.4911,
0.2543

■ 22.5837, 0.5171,
0.2625

Harmonies

Analogous

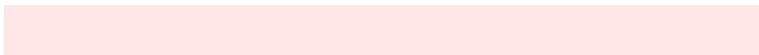
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8226, 0.3103, 0.3114



84.8226, 0.3221, 0.3183



84.8226, 0.3315, 0.3279

Triad

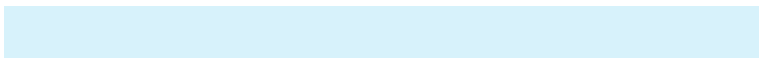
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8226, 0.3221, 0.3183



84.8226, 0.3260, 0.3496



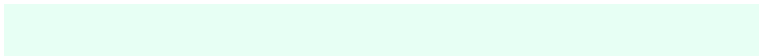
84.8226, 0.2902, 0.3193

Complementary

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



84.8226, 0.3221, 0.3183



95.0364, 0.3042, 0.3400

Split Complementary

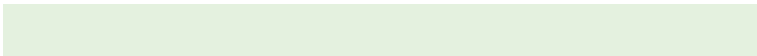
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8226, 0.2942, 0.3297



84.8226, 0.3221, 0.3183



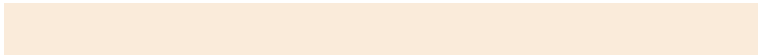
84.8226, 0.3148, 0.3474

Square

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



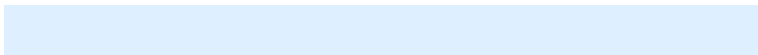
84.8226, 0.3221, 0.3183



84.8226, 0.3338, 0.3460



84.8226, 0.3032, 0.3401



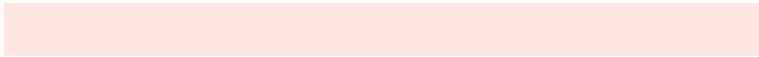
84.8226, 0.2920, 0.3118

Rectangle

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



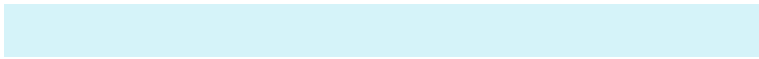
84.8226, 0.3221, 0.3183



84.8226, 0.3351, 0.3348



84.8226, 0.3032, 0.3401



84.8226, 0.2909, 0.3226

Sweetspot

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



84.8263, 0.3221, 0.3183



94.9511, 0.3155, 0.3257



83.5762, 0.3064, 0.3053



20.0418, 0.3163, 0.3248



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

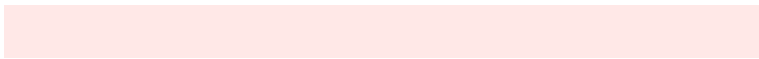
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8263, 0.3221, 0.3183



82.4484, 0.3239, 0.3164



84.6360, 0.3292, 0.3298



18.1252, 0.3222, 0.3182



11.8036, 0.5147, 0.2609



1.1710, 0.4870, 0.2456

Inverse Universe

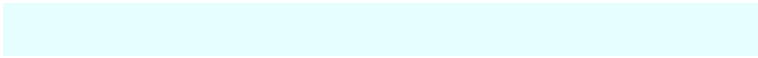
The Inverse Universe completely reimagines the original color for something new.



84.8263, 0.3221, 0.3183



82.4484, 0.3239, 0.3164



95.2133, 0.2982, 0.3282



18.1252, 0.3222, 0.3182



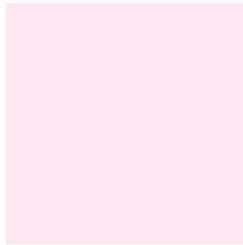
11.8036, 0.5147, 0.2609



1.1710, 0.4870, 0.2456

Previews

White Background



This preview shows how the Yxy color 84.8226, 0.3221, 0.3183 looks on a white background.

Color Contrast Check

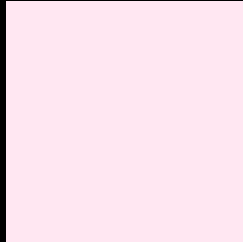
Large Text (above 18pt) WCAG AA × Fail

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 84.8226, 0.3221, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

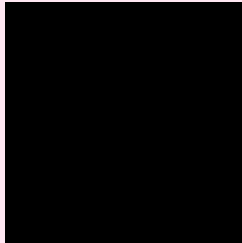
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

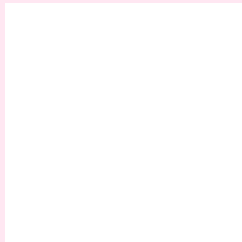
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8226, 0.3221, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 84.8226, 0.3221, 0.3183.

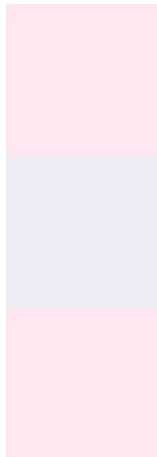


This preview shows how white text looks on a background with the Yxy color 84.8226, 0.3221, 0.3183.

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

84.8226, 0.3221, 0.3183

Protanopia

84.9342, 0.3092, 0.3199

Deuteranopia

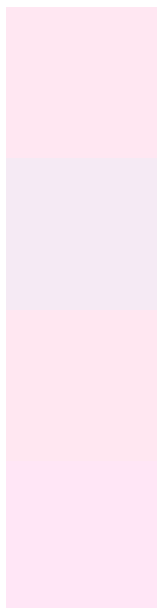
84.7627, 0.3227, 0.3192



Tritanopia

84.6309, 0.3183, 0.3115

Trichromacy



Original Color

84.8226, 0.3221, 0.3183

Protanomaly

84.7898, 0.3139, 0.3191

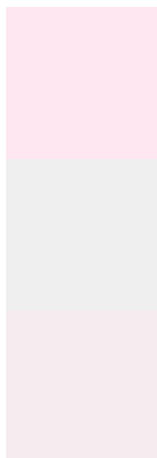
Deuteranomaly

84.7627, 0.3227, 0.3192

Tritanomaly

84.5074, 0.3196, 0.3134

Monochromacy



Original Color

84.8226, 0.3221, 0.3183

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.6947, 0.3162, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8226, 0.3221, 0.3183 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, 231, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 242)  
}
```

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, 231, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 242) }
```

Border

The CSS property to change the border of an element to Yxy 84.8226, 0.3221, 0.3183 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, 231, 242) }
```

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

```
.border{ border-color:rgb(255, 231, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8226, 0.3221, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 242) }
```

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

```
.background{ background-color: rgb(255,  
231, 242) }
```

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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