

Converting Colors

$Y_{xy}(84.1127, 0.3209, 0.3148)$

Have a look what the booklet for
Yxy(84.1127, 0.3209, 0.3148)
contains.

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Color

Yxy(84.3853, 0.3209, 0.3153)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6F4
RGB	255, 230, 244
RGB Percent	100%, 90%, 96%
CMY	0.0000, 0.0981, 0.0431
CMYK	0.00, 0.10, 0.04, 0.00
HSL	326°, 100%, 95%
HSV	326°, 10%, 100%
XYZ	85.8841, 84.3853, 97.3656
YIQ	239.0710, 10.4060, 9.6540

Conversions

Conversions Part 2

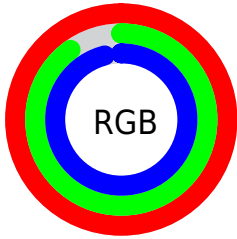
Format	Color
R _Y B	255, 230, 244
Decimal	16770804
CIE Lab	93.62, 10.90, -3.69
CIE LCh	94, 11.504, 341.303
Yxy	84.3853, 0.3209, 0.3153
Android (android.graphics.Color)	4294960884 (0xFFFE6F4)
YUV	239.0710, 2.4300, 13.9697
Hunter-Lab	91.8615, 6.1274, 1.4605

Details

The Yxy color **84.3853, 0.3209, 0.3153** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.6890, 0.3053, 0.3431**, and the grayscale version is **86.3429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9087, 0.3224, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **70.5499, 0.3308, 0.3006**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

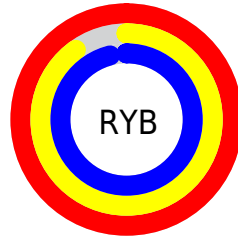
Distribution



Red (100%)

Green (90%)

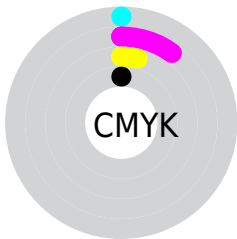
Blue (96%)



Red (100%)

Yellow (90%)

Blue (96%)

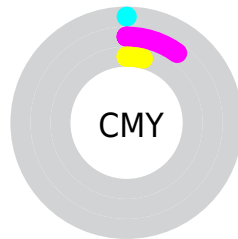


Cyan (0%)

Magenta (10%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3853, 0.3209, 0.3153 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 84.3853, 0.3209, 0.3153 by changing the saturation by 10% instead.


 84.3853, 0.3209,
0.3153

 84.3853, 0.3209,
0.3153


509.5918, 0.3172,
0.3214

 63.3336, 0.3217,
0.3140


139.5140, 0.3197,
0.3174

 46.1111, 0.3227,
0.3123


174.3598, 0.3192,
0.3182

 32.3335, 0.3239,
0.3103


214.5725, 0.3187,
0.3189

 21.6164, 0.3255,
0.3077

260.5363, 0.3184,
0.3195

 13.5753, 0.3275,
0.3042

312.6358, 0.3180,
0.3201

 7.8259, 0.3304,
0.2995

371.2553, 0.3177,

 3.9837, 0.3347,

0.3206

0.2925

436.7792, 0.3175,
0.3210

■ 1.6645, 0.3416,
0.2811

■ 0.4005, 0.3714,
0.2300

■ 84.3853, 0.3209,
0.3153

■ 84.3853, 0.3209,
0.3153

■ 70.5499, 0.3308,
0.3006

100.0000, 0.3127,
0.3290

■ 58.7486, 0.3427,
0.2856

■ 48.8769, 0.3566,
0.2707

■ 40.8298, 0.3728,
0.2567

■ 34.4920, 0.3910,
0.2447

■ 29.7350, 0.4109,
0.2358

■ 26.4119, 0.4319,
0.2314

■ 24.3478, 0.4530,
0.2323

■ 23.2630, 0.4734,
0.2382

Harmonies

Analogous

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



84.3853, 0.3075, 0.3084



84.3853, 0.3209, 0.3153



84.3853, 0.3323, 0.3257

Triad

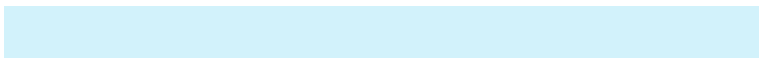
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3853, 0.3209, 0.3153



84.3853, 0.3297, 0.3518



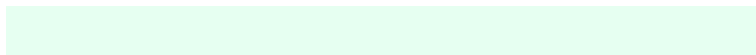
84.3853, 0.2878, 0.3200

Complementary

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



84.3853, 0.3209, 0.3153



94.6890, 0.3053, 0.3431

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.



84.3853, 0.2935, 0.3320



84.3853, 0.3209, 0.3153



84.3853, 0.3175, 0.3507

Square

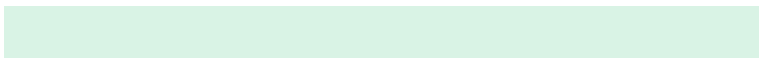
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



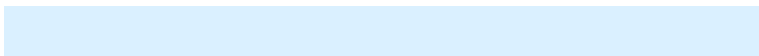
84.3853, 0.3209, 0.3153



84.3853, 0.3373, 0.3467



84.3853, 0.3043, 0.3433



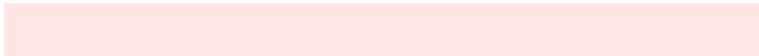
84.3853, 0.2886, 0.3109

Rectangle

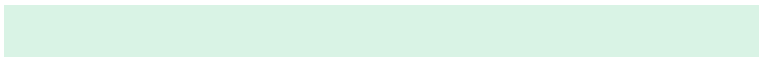
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3853, 0.3209, 0.3153



84.3853, 0.3370, 0.3334



84.3853, 0.3043, 0.3433



84.3853, 0.2890, 0.3239

Sweetspot

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



84.3779, 0.3209, 0.3153



95.0015, 0.3151, 0.3249



82.4748, 0.3044, 0.3041



20.0554, 0.3157, 0.3238



0.0000, 0.0000, 0.0000



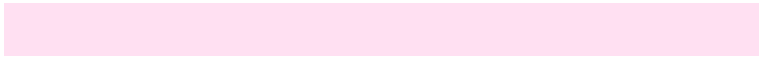
21.4041, 0.3127, 0.3290

Same Dimension

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



84.3779, 0.3209, 0.3153



81.1716, 0.3229, 0.3121



83.6513, 0.3290, 0.3274



18.1578, 0.3206, 0.3157



12.1771, 0.4706, 0.2366



1.2076, 0.4487, 0.2246

Inverse Universe

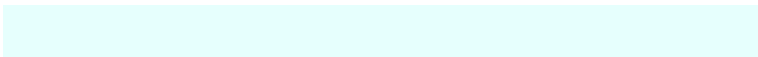
The Inverse Universe completely reimagines the original color for something new.



84.3779, 0.3209, 0.3153



81.1716, 0.3229, 0.3121



95.4534, 0.2985, 0.3306



18.1578, 0.3206, 0.3157



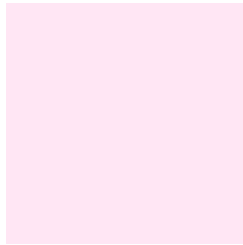
12.1771, 0.4706, 0.2366



1.2076, 0.4487, 0.2246

Previews

White Background



This preview shows how the Yxy color 84.3853, 0.3209, 0.3153 looks on a white background.

Color Contrast Check

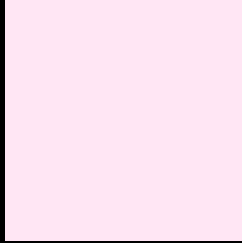
Large Text (above 18pt) WCAG AA × Fail

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 84.3853, 0.3209, 0.3153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

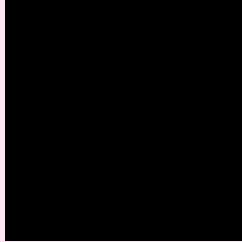
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.3853, 0.3209, 0.3153

Background



This preview shows how black text looks on a background with the Yxy color 84.3853, 0.3209, 0.3153.



This preview shows how white text looks on a background with the Yxy color 84.3853, 0.3209, 0.3153.

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

84.3853, 0.3209, 0.3153

Protanopia

84.3092, 0.3073, 0.3169

Deuteranopia

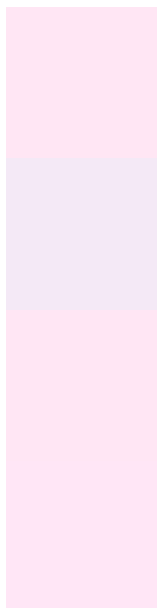
84.3853, 0.3209, 0.3153



Tritanopia

84.5690, 0.3189, 0.3125

Trichromacy



Original Color

84.3853, 0.3209, 0.3153

Protanomaly

84.1647, 0.3120, 0.3161

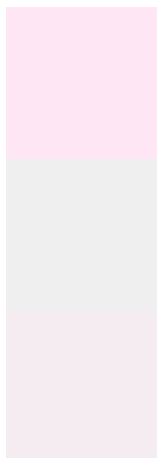
Deuteranomaly

84.3853, 0.3209, 0.3153

Tritanomaly

84.5074, 0.3196, 0.3134

Monochromacy



Original Color

84.3853, 0.3209, 0.3153

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.7543, 0.3156, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3853, 0.3209, 0.3153 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, 230, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 244)  
}
```

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, 230, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 244) }
```

Border

The CSS property to change the border of an element to Yxy 84.3853, 0.3209, 0.3153 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, 230, 244) }
```

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

```
.border{ border-color:rgb(255, 230, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3853, 0.3209, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 244) }
```

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

```
.background{ background-color: rgb(255,  
230, 244) }
```

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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