

Converting Colors

$Y_{xy}(102.2072, 0.3777, 0.3158)$

Have a look what the booklet for
Yxy(102.2072, 0.3777, 0.3158)
contains.

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Color

Yxy(83.2785, 0.3210, 0.3134)

Conversions

Conversions Part 1

Format	Color
Hex	FFE4F4
RGB	255, 228, 244
RGB Percent	100%, 89%, 96%
CMY	0.0002, 0.1058, 0.0432
CMYK	0.00, 0.11, 0.04, 0.00
HSL	324°, 100%, 95%
HSV	324°, 11%, 100%
XYZ	85.2980, 83.2785, 97.1494
YIQ	237.8970, 10.9560, 10.7000

Conversions

Conversions Part 2

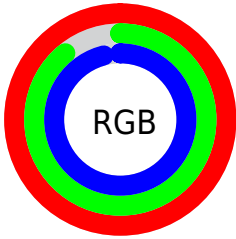
Format	Color
R_{YB}	255, 228, 244
Decimal	16770292
CIE Lab	93.14, 11.87, -4.38
CIE LCh	93, 12.651, 339.767
Yxy	83.2785, 0.3210, 0.3134
Android (android.graphics.Color)	4294960372 (0xFFFFE4F4)
YUV	237.8970, 3.0088, 14.9993
Hunter-Lab	91.2571, 7.1442, 0.7617

Details

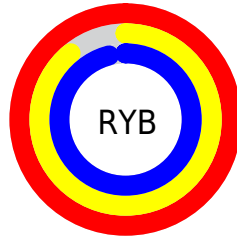
The Yxy color **83.2785, 0.3210, 0.3134** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.2230, 0.3052, 0.3451**, and the grayscale version is **85.3845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5237, 0.3225, 0.3103** is the 20% darker color. If you saturate the color by 10%, you get **69.6580, 0.3304, 0.2979**, and if you desaturate by 10%, it is **99.0104, 0.3131, 0.3282**.

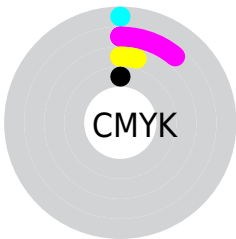
Distribution



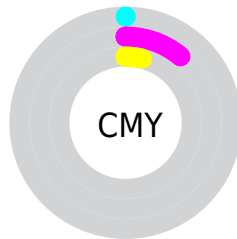
- Red (100%)
- Green (89%)
- Blue (96%)



- Red (100%)
- Yellow (89%)
- Blue (96%)



- Cyan (0%)
- Magenta (11%)
- Yellow (4%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2785, 0.3210, 0.3134 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 83.2785, 0.3210, 0.3134 by changing the saturation by 10% instead.


 83.2785, 0.3210,
0.3134

 83.2785, 0.3210,
0.3134

505.9142, 0.3173,
0.3204

 62.4199, 0.3218,
0.3119


137.9655, 0.3197,
0.3158

 45.3721, 0.3228,
0.3100


172.5626, 0.3192,
0.3167

 31.7506, 0.3240,
0.3077


212.5081, 0.3188,
0.3175

 21.1711, 0.3256,
0.3047

258.1863, 0.3184,
0.3182

 13.2491, 0.3277,
0.3008

309.9816, 0.3181,
0.3189

 7.6003, 0.3306,
0.2954

368.2785, 0.3178,

 3.8403, 0.3349,

0.3194

0.2873

433.4612, 0.3175,
0.3199

■ 1.5846, 0.3419,
0.2743

■ 0.3472, 0.3754,
0.2103

■ 83.2785, 0.3210,
0.3134

■ 83.2785, 0.3210,
0.3134

■ 69.6580, 0.3304,
0.2979

99.0104, 0.3131,
0.3282

■ 58.0472, 0.3416,
0.2821

99.9920, 0.3127,
0.3290

■ 48.3524, 0.3547,
0.2664

■ 40.4679, 0.3697,
0.2518

■ 34.2779, 0.3865,
0.2394

■ 29.6529, 0.4048,
0.2302

■ 26.4446, 0.4239,
0.2255

■ 24.4754, 0.4430,
0.2260

■ 23.4877, 0.4605,
0.2310

Harmonies

Analogous

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



83.2785, 0.3062, 0.3061



83.2785, 0.3210, 0.3134



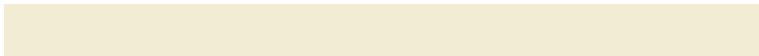
83.2785, 0.3338, 0.3247

Triad

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



83.2785, 0.3210, 0.3134



83.2785, 0.3320, 0.3541



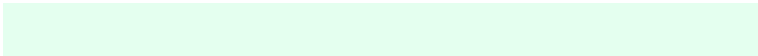
83.2785, 0.2854, 0.3197

Complementary

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



83.2785, 0.3210, 0.3134



94.2230, 0.3052, 0.3451

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.



83.2785, 0.2920, 0.3330



83.2785, 0.3210, 0.3134



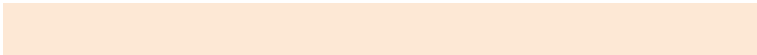
83.2785, 0.3187, 0.3532

Square

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



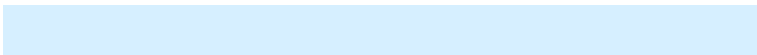
83.2785, 0.3210, 0.3134



83.2785, 0.3402, 0.3481



83.2785, 0.3041, 0.3454



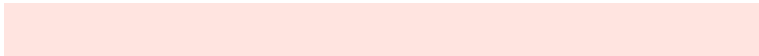
83.2785, 0.2859, 0.3094

Rectangle

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



83.2785, 0.3210, 0.3134



83.2785, 0.3393, 0.3331



83.2785, 0.3041, 0.3454



83.2785, 0.2868, 0.3239

Sweetspot

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



83.2821, 0.3210, 0.3134



95.0166, 0.3149, 0.3247



81.0324, 0.3031, 0.3020



20.0595, 0.3155, 0.3235



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.



83.2821, 0.3210, 0.3134



79.8030, 0.3231, 0.3097



82.5052, 0.3298, 0.3264



18.1677, 0.3201, 0.3150



12.3078, 0.4575, 0.2294



1.2201, 0.4376, 0.2185

Inverse Universe

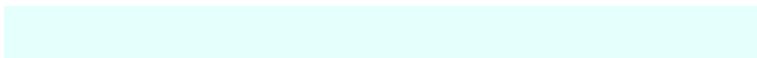
The Inverse Universe completely reimagines the original color for something new.



83.2821, 0.3210, 0.3134



79.8030, 0.3231, 0.3097



95.0359, 0.2979, 0.3316



18.1677, 0.3201, 0.3150



12.3078, 0.4575, 0.2294



1.2201, 0.4376, 0.2185

Previews

White Background



This preview shows how the Yxy color 83.2785, 0.3210, 0.3134 looks on a white background.

Color Contrast Check

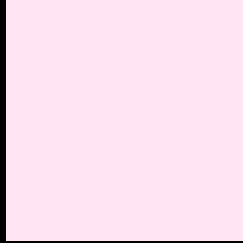
Large Text (above 18pt) WCAG AA × Fail

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 83.2785, 0.3210, 0.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

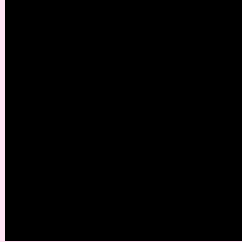
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2785, 0.3210, 0.3134

Background



This preview shows how black text looks on a background with the Yxy color 83.2785, 0.3210, 0.3134.



This preview shows how white text looks on a background with the Yxy color 83.2785, 0.3210, 0.3134.

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

83.2785, 0.3210, 0.3134

Protanopia

83.4558, 0.3054, 0.3149

Deuteranopia

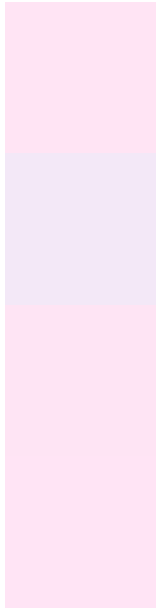
83.0893, 0.3203, 0.3133



Tritanopia

83.4006, 0.3197, 0.3114

Trichromacy



Original Color

83.2785, 0.3210, 0.3134

Protanomaly

83.4833, 0.3107, 0.3140

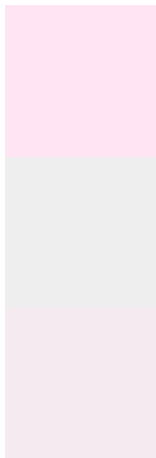
Deuteranomaly

83.0893, 0.3203, 0.3133

Tritanomaly

83.3394, 0.3204, 0.3124

Monochromacy



Original Color

83.2785, 0.3210, 0.3134

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.3700, 0.3157, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2785, 0.3210, 0.3134 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, 228, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 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, 228, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 244) }
```

Border

The CSS property to change the border of an element to Yxy 83.2785, 0.3210, 0.3134 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, 228, 244) }
```

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

```
.border{ border-color:rgb(255, 228, 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, 228, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2785, 0.3210, 0.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 244) }
```

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

```
.background{ background-color: rgb(255,  
228, 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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