

Converting Colors

$Y_{xy}(90.1276, 0.3496, 0.3274)$

Have a look what the booklet for
Yxy(90.1276, 0.3496, 0.3274)
contains.

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Color

Yxy(83.6798, 0.3287, 0.3271)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6E8
RGB	255, 230, 232
RGB Percent	100%, 90%, 91%
CMY	0.0002, 0.0980, 0.0902
CMYK	0.00, 0.10, 0.09, 0.00
HSL	355°, 100%, 95%
HSV	355°, 10%, 100%
XYZ	84.0891, 83.6798, 88.0544
YIQ	237.7030, 14.2580, 5.9220

Conversions

Conversions Part 2

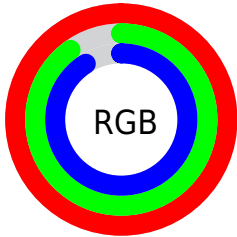
Format	Color
R _Y B	255, 230, 232
Decimal	16770792
CIE Lab	93.31, 8.83, 2.13
CIE LCh	93, 9.080, 13.586
Yxy	83.6798, 0.3287, 0.3271
Android (android.graphics.Color)	4294960872 (0xFFFFE6E8)
YUV	237.7030, -2.8116, 15.1695
Hunter-Lab	91.4767, 4.0004, 6.9618

Details

The Yxy color **83.6798, 0.3287, 0.3271** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.4112, 0.2987, 0.3309**, and the grayscale version is **85.2708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4125, 0.3326, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **69.2673, 0.3491, 0.3250**, and if you desaturate by 10%, it is **99.9921, 0.3127, 0.3290**.

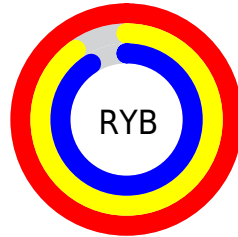
Distribution



Red (100%)

Green (90%)

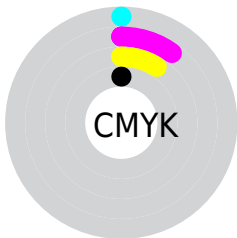
Blue (91%)



Red (100%)

Yellow (90%)

Blue (91%)

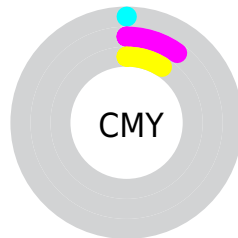


Cyan (0%)

Magenta (10%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6798, 0.3287, 0.3271 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 83.6798, 0.3287, 0.3271 by changing the saturation by 10% instead.


 83.6798, 0.3287,
0.3271

 83.6798, 0.3287,
0.3271


507.2493, 0.3215,
0.3280

 62.7511, 0.3303,
0.3269


138.5272, 0.3262,
0.3274

 45.6399, 0.3323,
0.3266


173.2146, 0.3252,
0.3275

 31.9617, 0.3348,
0.3263


213.2572, 0.3244,
0.3276

 21.3323, 0.3380,
0.3259

259.0391, 0.3237,
0.3277

 13.3671, 0.3423,
0.3253

310.9449, 0.3230,
0.3278

 7.6818, 0.3483,
0.3244

369.3590, 0.3224,

 3.8920, 0.3575,

0.3279

0.3230

434.6656, 0.3219,
0.3279

■ 1.6134, 0.3730,
0.3205

■ 0.3666, 0.4777,
0.3105

■ 83.6798, 0.3287,
0.3271

■ 83.6798, 0.3287,
0.3271

■ 69.2673, 0.3491,
0.3250

99.9921, 0.3127,
0.3290

■ 57.0080, 0.3745,
0.3229

■ 46.8020, 0.4057,
0.3209

■ 38.5369, 0.4434,
0.3191

■ 32.0897, 0.4867,
0.3181

■ 27.3231, 0.5330,
0.3182

■ 24.0806, 0.5772,
0.3198

■ 22.1760, 0.6122,
0.3229

■ 21.3170, 0.6334,
0.3264

Harmonies

Analogous

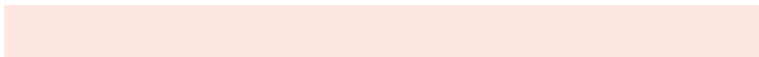
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6798, 0.3200, 0.3187



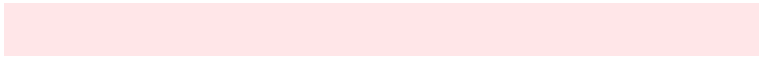
83.6798, 0.3287, 0.3271



83.6798, 0.3331, 0.3362

Triad

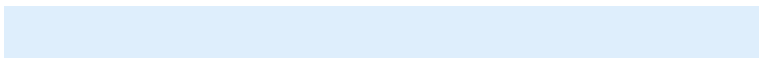
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6798, 0.3287, 0.3271



83.6798, 0.3157, 0.3458



83.6798, 0.2939, 0.3143

Complementary

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



83.6798, 0.3287, 0.3271



95.4112, 0.2987, 0.3309

Split Complementary

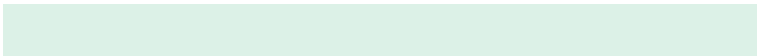
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6798, 0.2928, 0.3213



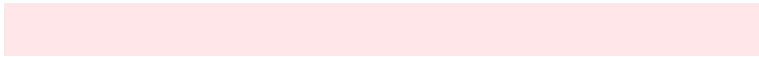
83.6798, 0.3287, 0.3271



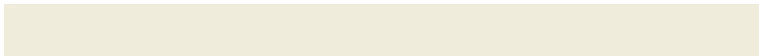
83.6798, 0.3053, 0.3397

Square

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



83.6798, 0.3287, 0.3271



83.6798, 0.3255, 0.3472



83.6798, 0.2969, 0.3307



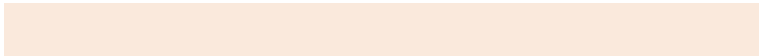
83.6798, 0.2999, 0.3113

Rectangle

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



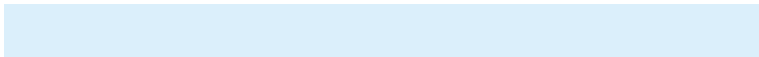
83.6798, 0.3287, 0.3271



83.6798, 0.3329, 0.3414



83.6798, 0.2969, 0.3307



83.6798, 0.2929, 0.3162

Sweetspot

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



83.6835, 0.3287, 0.3271



94.7702, 0.3173, 0.3284



84.6833, 0.3125, 0.3048



19.9931, 0.3185, 0.3283



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

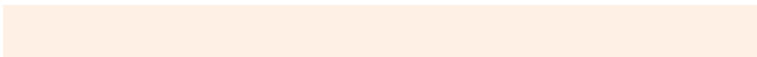
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6835, 0.3287, 0.3271



80.3224, 0.3328, 0.3267



89.5295, 0.3289, 0.3392



18.0103, 0.3282, 0.3272



11.1435, 0.6318, 0.3254



1.0926, 0.6141, 0.3156

Inverse Universe

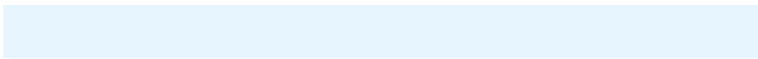
The Inverse Universe completely reimagines the original color for something new.



83.6835, 0.3287, 0.3271



80.3224, 0.3328, 0.3267



89.0877, 0.2975, 0.3185



18.0103, 0.3282, 0.3272



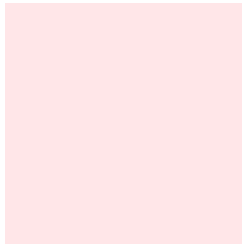
11.1435, 0.6318, 0.3254



1.0926, 0.6141, 0.3156

Previews

White Background



This preview shows how the Yxy color 83.6798, 0.3287, 0.3271 looks on a white background.

Color Contrast Check

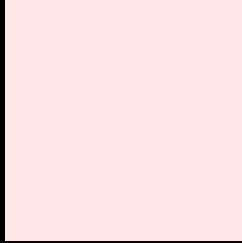
Large Text (above 18pt) WCAG AA × Fail

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 83.6798, 0.3287, 0.3271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

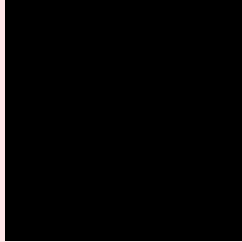
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

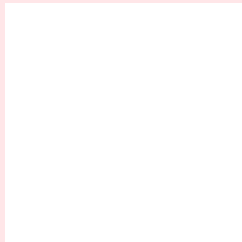
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6798, 0.3287, 0.3271

Background



This preview shows how black text looks on a background with the Yxy color 83.6798, 0.3287, 0.3271.

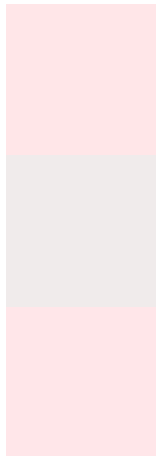


This preview shows how white text looks on a background with the Yxy color 83.6798, 0.3287, 0.3271.

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

83.6798, 0.3287, 0.3271

Protanopia

83.9401, 0.3161, 0.3290

Deuteranopia

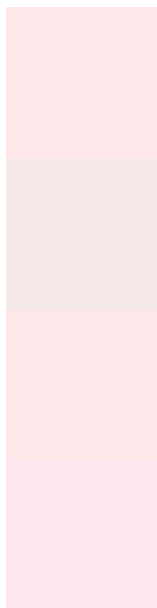
83.7368, 0.3281, 0.3261



Tritanopia

83.8912, 0.3203, 0.3134

Trichromacy



Original Color

83.6798, 0.3287, 0.3271

Protanomaly

83.6308, 0.3202, 0.3280

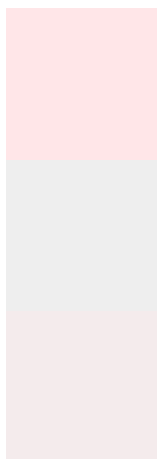
Deuteranomaly

83.7368, 0.3281, 0.3261

Tritanomaly

83.5899, 0.3236, 0.3182

Monochromacy



Original Color

83.6798, 0.3287, 0.3271

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.7059, 0.3181, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6798, 0.3287, 0.3271 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 232) }
```

Border

The CSS property to change the border of an element to Yxy 83.6798, 0.3287, 0.3271 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, 232) }
```

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

```
.border{ border-color:rgb(255, 230, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6798, 0.3287, 0.3271 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
230, 232) }
```

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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