

Converting Colors

$Y_{xy}(83.6890, 0.3431, 0.3323)$

Have a look what the booklet for
Yxy(83.6890, 0.3431, 0.3323)
contains.

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Color

Yxy(81.5259, 0.3351, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	FFE3DF
RGB	255, 227, 223
RGB Percent	100%, 89%, 87%
CMY	0.0001, 0.1097, 0.1256
CMYK	0.00, 0.11, 0.13, 0.00
HSL	8°, 100%, 94%
HSV	8°, 13%, 100%
XYZ	82.0154, 81.5259, 81.2077
YIQ	234.9160, 17.9720, 4.6920

Conversions

Conversions Part 2

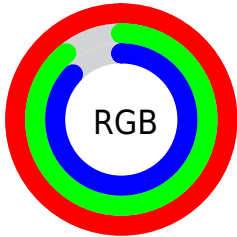
Format	Color
R _Y B	255, 228, 223
Decimal	16770015
CIE Lab	92.37, 8.93, 5.46
CIE LCh	92, 10.464, 31.466
Yxy	81.5259, 0.3351, 0.3331
Android (android.graphics.Color)	4294960095 (0xFFFFE3DF)
YUV	234.9160, -5.8746, 17.6137
Hunter-Lab	90.2917, 4.1279, 9.8792

Details

The Yxy color **81.5259, 0.3351, 0.3331** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.8452, 0.2934, 0.3249**, and the grayscale version is **83.0443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3380, 0.3400, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **68.8493, 0.3576, 0.3366**, and if you desaturate by 10%, it is **95.9928, 0.3168, 0.3298**.

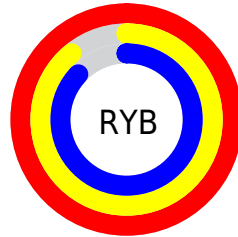
Distribution



Red (100%)

Green (89%)

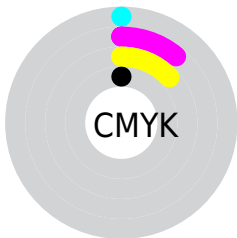
Blue (87%)



Red (100%)

Yellow (89%)

Blue (87%)

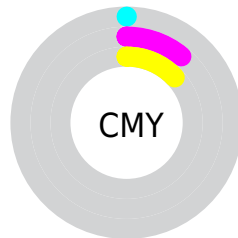


Cyan (0%)

Magenta (11%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5259, 0.3351, 0.3331 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 81.5259, 0.3351, 0.3331 by changing the saturation by 10% instead.


 81.5259, 0.3351,
0.3331

 81.5259, 0.3351,
0.3331


500.0605, 0.3249,
0.3313

 60.9748, 0.3374,
0.3335


135.5090, 0.3316,
0.3325

 44.2048, 0.3402,
0.3339


169.7097, 0.3302,
0.3323

 30.8316, 0.3438,
0.3345


209.2292, 0.3290,
0.3321

 20.4706, 0.3484,
0.3351

254.4517, 0.3280,
0.3319

 12.7376, 0.3546,
0.3360

305.7617, 0.3271,
0.3317

 7.2481, 0.3634,
0.3371

363.5435, 0.3263,

 3.6178, 0.3768,

0.3316

0.3386

428.1817, 0.3255,
0.3315

■ 1.4621, 0.3997,
0.3404

■ 0.2618, 0.6406,
0.3594

■ 81.5259, 0.3351,
0.3331

■ 81.5259, 0.3351,
0.3331

■ 68.8493, 0.3576,
0.3366

■ 95.9928, 0.3168,
0.3298

■ 57.8828, 0.3850,
0.3402

99.9931, 0.3127,
0.3290

■ 48.5565, 0.4181,
0.3437

■ 40.7912, 0.4568,
0.3466

■ 34.5012, 0.5001,
0.3484

■ 29.5925, 0.5449,
0.3484

■ 25.9601, 0.5857,
0.3460

■ 23.4838, 0.6165,
0.3412

■ 22.2992, 0.6311,
0.3371

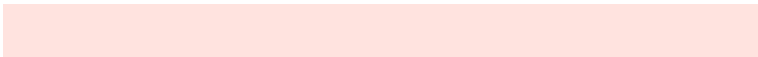
Harmonies

Analogous

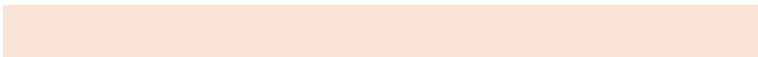
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5259, 0.3277, 0.3226



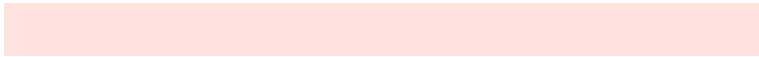
81.5259, 0.3351, 0.3331



81.5259, 0.3364, 0.3428

Triad

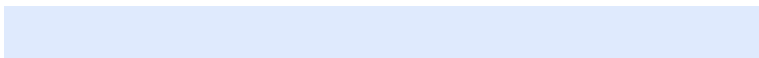
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5259, 0.3351, 0.3331



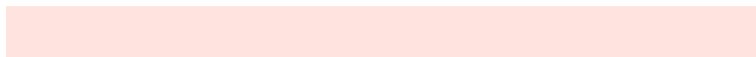
81.5259, 0.3089, 0.3449



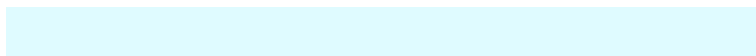
81.5259, 0.2944, 0.3092

Complementary

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



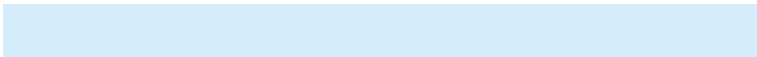
81.5259, 0.3351, 0.3331



91.8452, 0.2934, 0.3249

Split Complementary

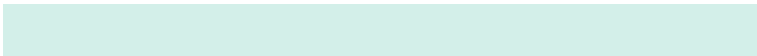
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5259, 0.2896, 0.3147



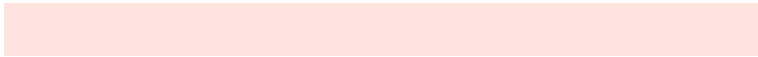
81.5259, 0.3351, 0.3331



81.5259, 0.2978, 0.3354

Square

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



81.5259, 0.3351, 0.3331



81.5259, 0.3211, 0.3499



81.5259, 0.2908, 0.3242



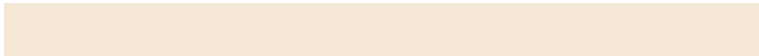
81.5259, 0.3041, 0.3090

Rectangle

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



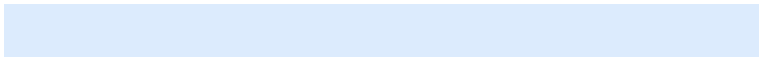
81.5259, 0.3351, 0.3331



81.5259, 0.3336, 0.3475



81.5259, 0.2908, 0.3242



81.5259, 0.2922, 0.3105

Sweetspot

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



81.5295, 0.3351, 0.3331



93.8066, 0.3192, 0.3303



80.9955, 0.3166, 0.3015



19.8362, 0.3205, 0.3305



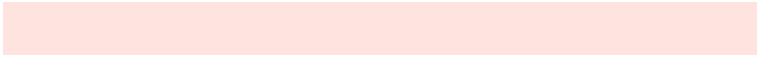
0.0000, 0.0000, 0.0000



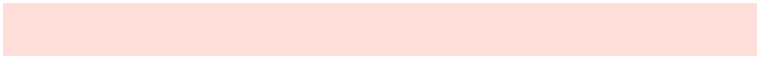
21.4041, 0.3127, 0.3290

Same Dimension

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



81.5295, 0.3351, 0.3331



78.2803, 0.3402, 0.3340



90.5023, 0.3331, 0.3485



18.3571, 0.3291, 0.3321



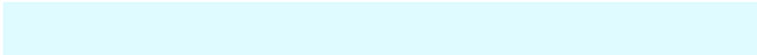
11.7698, 0.6293, 0.3385



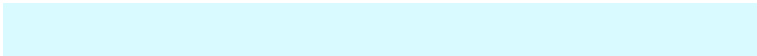
1.2566, 0.6123, 0.3520

Inverse Universe

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



91.8452, 0.2934, 0.3249



90.4059, 0.2897, 0.3240



82.4550, 0.2930, 0.3087



20.0663, 0.2980, 0.3259



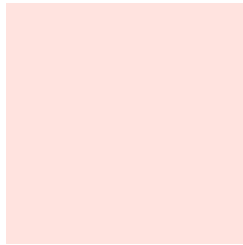
31.4336, 0.2135, 0.2885



3.1655, 0.2149, 0.2935

Previews

White Background



This preview shows how the Yxy color 81.5259, 0.3351, 0.3331 looks on a white background.

Color Contrast Check

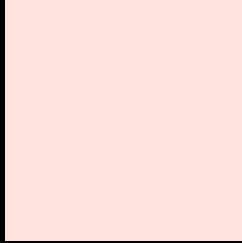
Large Text (above 18pt) WCAG AA × Fail

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 81.5259, 0.3351, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

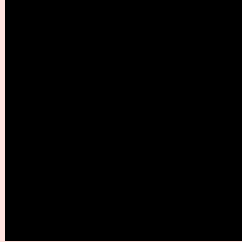
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

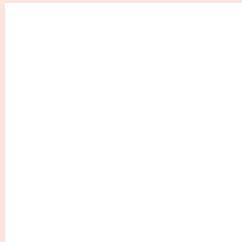
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5259, 0.3351, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 81.5259, 0.3351, 0.3331.

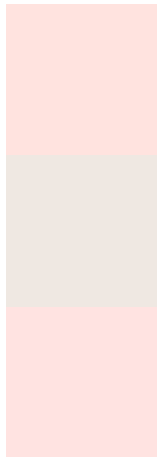


This preview shows how white text looks on a background with the Yxy color 81.5259, 0.3351, 0.3331.

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

81.5259, 0.3351, 0.3331

Protanopia

81.5549, 0.3213, 0.3352

Deuteranopia

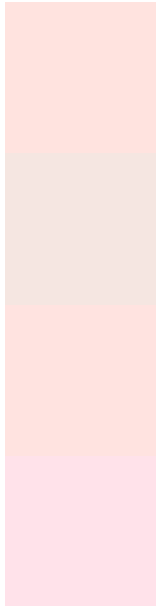
81.6344, 0.3338, 0.3311



Tritanopia

81.4613, 0.3232, 0.3133

Trichromacy



Original Color

81.5259, 0.3351, 0.3331

Protanomaly

81.4423, 0.3263, 0.3341

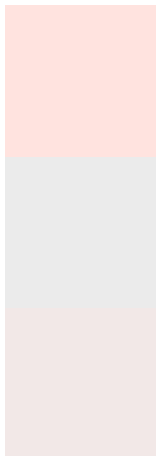
Deuteranomaly

81.5800, 0.3344, 0.3321

Tritanomaly

81.5932, 0.3278, 0.3211

Monochromacy



Original Color

81.5259, 0.3351, 0.3331

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.3600, 0.3202, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5259, 0.3351, 0.3331 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, 227, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 223)  
}
```

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, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 223) }
```

Border

The CSS property to change the border of an element to Yxy 81.5259, 0.3351, 0.3331 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, 227, 223) }
```

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

```
.border{ border-color:rgb(255, 227, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5259, 0.3351, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 223) }
```

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

```
.background{ background-color: rgb(255,  
227, 223) }
```

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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