

Converting Colors

$Y_{xy}(100.0000, 0.3834, 0.3223)$

Have a look what the booklet for
Yxy(100.0000, 0.3834, 0.3223)
contains.

Yxy(81.6509, 0.3271, 0.3201)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.6509, 0.3271, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2EB
RGB	255, 226, 235
RGB Percent	100%, 89%, 92%
CMY	0.0000, 0.1137, 0.0783
CMYK	0.00, 0.11, 0.08, 0.00
HSL	341°, 100%, 94%
HSV	341°, 11%, 100%
XYZ	83.4365, 81.6509, 89.9920
YIQ	235.6970, 14.3950, 8.9470

Conversions

Conversions Part 2

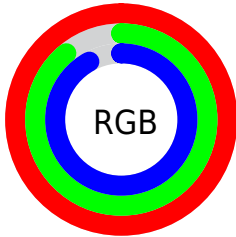
Format	Color
R _Y B	255, 226, 235
Decimal	16769771
CIE Lab	92.42, 11.42, -0.76
CIE LCh	92, 11.446, 356.195
Yxy	81.6509, 0.3271, 0.3201
Android (android.graphics.Color)	4294959851 (0xFFFFE2EB)
YUV	235.6970, -0.3436, 16.9287
Hunter-Lab	90.3609, 6.6898, 4.2047

Details

The Yxy color **81.6509, 0.3271, 0.3201** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94.3403, 0.3001, 0.3381**, and the grayscale version is **83.6353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3863, 0.3305, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **67.8370, 0.3429, 0.3118**, and if you desaturate by 10%, it is **97.6342, 0.3143, 0.3280**.

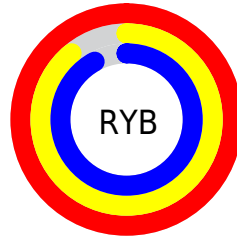
Distribution



Red (100%)

Green (89%)

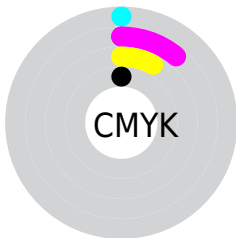
Blue (92%)



Red (100%)

Yellow (89%)

Blue (92%)

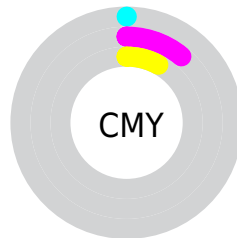


Cyan (0%)

Magenta (11%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6509, 0.3271, 0.3201 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 81.6509, 0.3271, 0.3201 by changing the saturation by 10% instead.

 81.6509, 0.3271,
0.3201

 81.6509, 0.3271,
0.3201

500.4792, 0.3206,
0.3241

 61.0778, 0.3286,
0.3192


135.6843, 0.3249,
0.3215

 44.2880, 0.3303,
0.3181

169.9135, 0.3240,
0.3220

 30.8970, 0.3326,
0.3167


209.4634, 0.3232,
0.3225

 20.5204, 0.3355,
0.3149

254.7186, 0.3226,
0.3229

 12.7739, 0.3394,
0.3126

306.0634, 0.3220,
0.3233

 7.2730, 0.3448,
0.3092

363.8821, 0.3215,

 3.6334, 0.3531,

0.3236

0.3042

428.5593, 0.3210,
0.3239

■ 1.4707, 0.3672,
0.2957

■ 0.2680, 0.4654,
0.2338

■ 81.6509, 0.3271,
0.3201

■ 81.6509, 0.3271,
0.3201

■ 67.8370, 0.3429,
0.3118

■ 97.6342, 0.3143,
0.3280

■ 56.0883, 0.3621,
0.3032

100.0000, 0.3127,
0.3290

■ 46.3079, 0.3855,
0.2948

■ 38.3869, 0.4133,
0.2872

■ 32.2056, 0.4453,
0.2815

■ 27.6304, 0.4806,
0.2788

■ 24.5078, 0.5170,
0.2802

■ 22.6538, 0.5513,
0.2866

■ 21.8320, 0.5769,
0.2952

Harmonies

Analogous

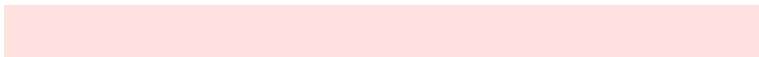
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6509, 0.3142, 0.3112



81.6509, 0.3271, 0.3201



81.6509, 0.3362, 0.3314

Triad

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



81.6509, 0.3271, 0.3201



81.6509, 0.3240, 0.3522



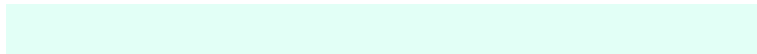
81.6509, 0.2872, 0.3149

Complementary

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



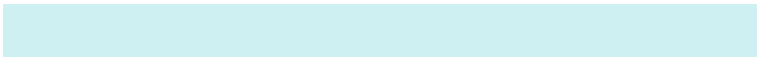
81.6509, 0.3271, 0.3201



94.3403, 0.3001, 0.3381

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.



81.6509, 0.2898, 0.3259



81.6509, 0.3271, 0.3201



81.6509, 0.3108, 0.3478

Square

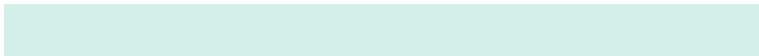
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



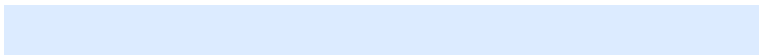
81.6509, 0.3271, 0.3201



81.6509, 0.3344, 0.3501



81.6509, 0.2983, 0.3381



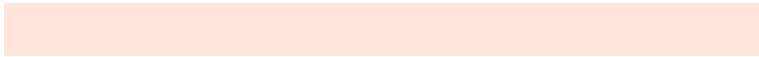
81.6509, 0.2913, 0.3080

Rectangle

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



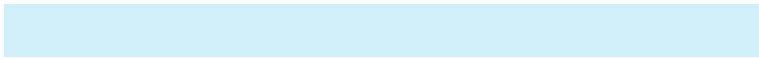
81.6509, 0.3271, 0.3201



81.6509, 0.3388, 0.3389



81.6509, 0.2983, 0.3381



81.6509, 0.2873, 0.3182

Sweetspot

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



81.6544, 0.3271, 0.3201



94.8813, 0.3162, 0.3267



81.1735, 0.3078, 0.3004



20.0230, 0.3172, 0.3261



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

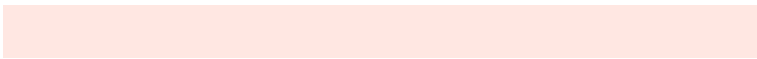
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6544, 0.3271, 0.3201



77.8172, 0.3309, 0.3180



84.0812, 0.3326, 0.3343



18.0804, 0.3245, 0.3216



11.4312, 0.5726, 0.2928



1.1317, 0.5406, 0.2752

Inverse Universe

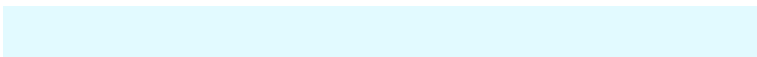
The Inverse Universe completely reimagines the original color for something new.



81.6544, 0.3271, 0.3201



77.8172, 0.3309, 0.3180



91.5638, 0.2951, 0.3236



18.0804, 0.3245, 0.3216



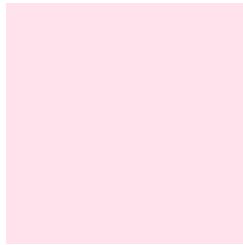
11.4312, 0.5726, 0.2928



1.1317, 0.5406, 0.2752

Previews

White Background



This preview shows how the Yxy color 81.6509, 0.3271, 0.3201 looks on a white background.

Color Contrast Check

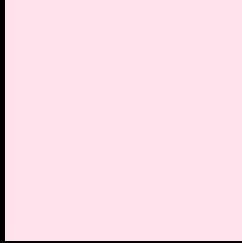
Large Text (above 18pt) WCAG AA × Fail

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 81.6509, 0.3271, 0.3201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

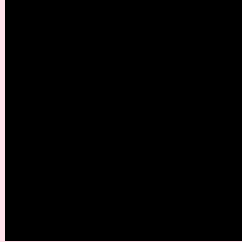
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6509, 0.3271, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 81.6509, 0.3271, 0.3201.

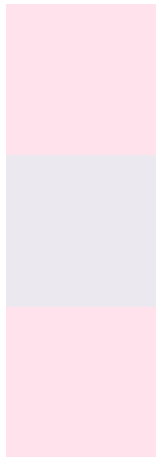


This preview shows how white text looks on a background with the Yxy color 81.6509, 0.3271, 0.3201.

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

81.6509, 0.3271, 0.3201

Protanopia

81.7781, 0.3110, 0.3218

Deuteranopia

81.6509, 0.3271, 0.3201



Tritanopia

81.5212, 0.3226, 0.3123

Trichromacy



Original Color

81.6509, 0.3271, 0.3201

Protanomaly

81.8214, 0.3165, 0.3209

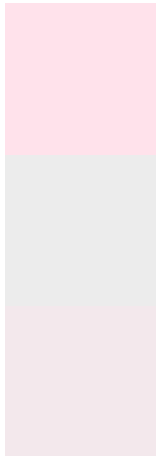
Deuteranomaly

81.6509, 0.3271, 0.3201

Tritanomaly

81.3424, 0.3245, 0.3152

Monochromacy



Original Color

81.6509, 0.3271, 0.3201

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

82.8240, 0.3177, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6509, 0.3271, 0.3201 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, 226, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 235)  
}
```

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, 226, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 235) }
```

Border

The CSS property to change the border of an element to Yxy 81.6509, 0.3271, 0.3201 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, 226, 235) }
```

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

```
.border{ border-color:rgb(255, 226, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6509, 0.3271, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 235) }
```

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

```
.background{ background-color: rgb(255,  
226, 235) }
```

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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