

Converting Colors

$Yxy(81.7857, 0.3316, 0.3278)$

Have a look what the booklet for
Yxy(81.7857, 0.3316, 0.3278)
contains.

Yxy(81.7996, 0.3317, 0.3281)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.7996, 0.3317, 0.3281)

Conversions

Conversions Part 1

Format	Color
Hex	FFE3E4
RGB	255, 227, 228
RGB Percent	100%, 89%, 89%
CMY	0.0002, 0.1097, 0.1059
CMYK	0.00, 0.11, 0.11, 0.00
HSL	358°, 100%, 95%
HSV	358°, 11%, 100%
XYZ	82.6971, 81.7996, 84.8163
YIQ	235.4860, 16.3670, 6.2470

Conversions

Conversions Part 2

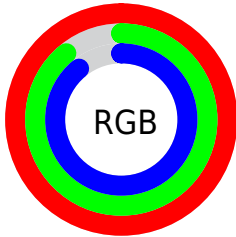
Format	Color
R _Y B	255, 227, 228
Decimal	16770020
CIE Lab	92.49, 9.72, 3.02
CIE LCh	92, 10.178, 17.281
Yxy	81.7996, 0.3317, 0.3281
Android (android.graphics.Color)	4294960100 (0xFFFFE3E4)
YUV	235.4860, -3.6906, 17.1138
Hunter-Lab	90.4431, 4.9369, 7.7089

Details

The Yxy color **81.7996, 0.3317, 0.3281** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94.9792, 0.2964, 0.3299**, and the grayscale version is **83.4847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5279, 0.3356, 0.3278** is the 20% darker color. If you saturate the color by 10%, you get **67.6008, 0.3536, 0.3272**, and if you desaturate by 10%, it is **98.2654, 0.3142, 0.3289**.

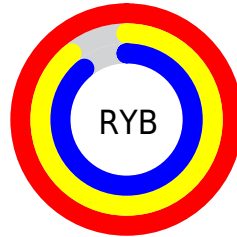
Distribution



Red (100%)

Green (89%)

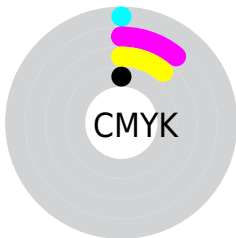
Blue (89%)



Red (100%)

Yellow (89%)

Blue (89%)

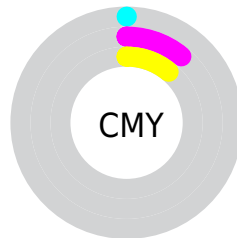


Cyan (0%)

Magenta (11%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7996, 0.3317, 0.3281 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 81.7996, 0.3317, 0.3281 by changing the saturation by 10% instead.


 81.7996, 0.3317,
0.3281

 81.7996, 0.3317,
0.3281

500.9771, 0.3231,
0.3286

 61.2004, 0.3336,
0.3280


135.8929, 0.3287,
0.3283

 44.3869, 0.3360,
0.3278


170.1558, 0.3276,
0.3283

 30.9748, 0.3390,
0.3276


209.7421, 0.3266,
0.3284

 20.5796, 0.3429,
0.3274

255.0360, 0.3257,
0.3284

 12.8171, 0.3481,
0.3270

306.4221, 0.3249,
0.3285

 7.3027, 0.3555,
0.3263

364.2847, 0.3242,

 3.6521, 0.3668,

0.3285

0.3253

429.0083, 0.3236,
0.3285

■ 1.4809, 0.3860,
0.3232

■ 0.2753, 0.5784,
0.3192

■ 81.7996, 0.3317,
0.3281

■ 81.7996, 0.3317,
0.3281

■ 67.6008, 0.3536,
0.3272

■ 98.2654, 0.3142,
0.3289

■ 55.5594, 0.3810,
0.3264

■ 99.9908, 0.3127,
0.3290

■ 45.5734, 0.4147,
0.3255

■ 37.5277, 0.4550,
0.3249

■ 31.2965, 0.5008,
0.3246

■ 26.7387, 0.5484,
0.3249

■ 23.6928, 0.5916,
0.3259

■ 21.9652, 0.6228,
0.3275

■ 21.2700, 0.6377,
0.3286

Harmonies

Analogous

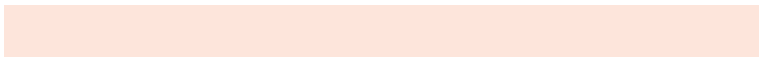
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7996, 0.3223, 0.3184



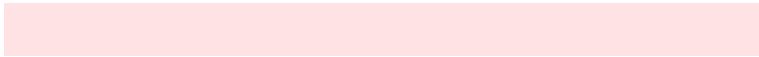
81.7996, 0.3317, 0.3281



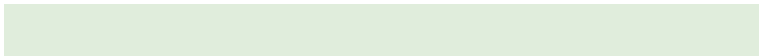
81.7996, 0.3359, 0.3382

Triad

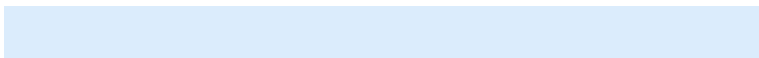
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7996, 0.3317, 0.3281



81.7996, 0.3146, 0.3474



81.7996, 0.2920, 0.3117

Complementary

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



81.7996, 0.3317, 0.3281



94.9792, 0.2964, 0.3299

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.



81.7996, 0.2901, 0.3191



81.7996, 0.3317, 0.3281



81.7996, 0.3030, 0.3400

Square

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



81.7996, 0.3317, 0.3281



81.7996, 0.3259, 0.3497



81.7996, 0.2941, 0.3295



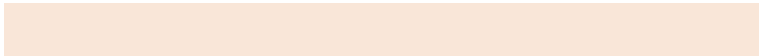
81.7996, 0.2994, 0.3090

Rectangle

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



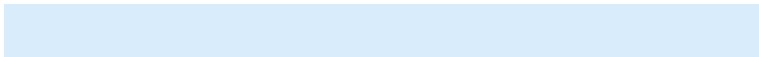
81.7996, 0.3317, 0.3281



81.7996, 0.3352, 0.3439



81.7996, 0.2941, 0.3295



81.7996, 0.2907, 0.3137

Sweetspot

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



81.8032, 0.3317, 0.3281



94.7491, 0.3175, 0.3288



83.1557, 0.3130, 0.3019



19.9875, 0.3188, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

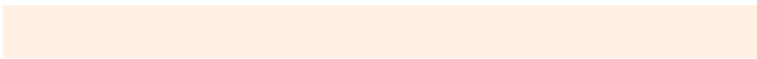
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8032, 0.3317, 0.3281



78.7500, 0.3358, 0.3279



88.8784, 0.3309, 0.3414



17.9972, 0.3289, 0.3282



11.1232, 0.6366, 0.3281



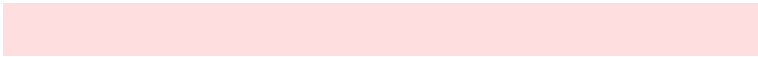
1.0864, 0.6284, 0.3235

Inverse Universe

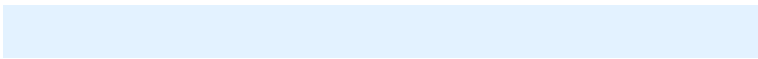
The Inverse Universe completely reimagines the original color for something new.



81.8032, 0.3317, 0.3281



78.7500, 0.3358, 0.3279



87.2852, 0.2956, 0.3163



17.9972, 0.3289, 0.3282



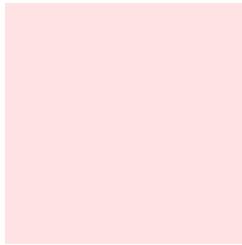
11.1232, 0.6366, 0.3281



1.0864, 0.6284, 0.3235

Previews

White Background



This preview shows how the Yxy color 81.7996, 0.3317, 0.3281 looks on a white background.

Color Contrast Check

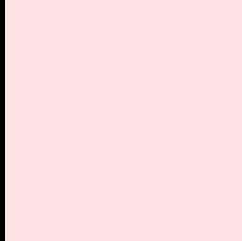
Large Text (above 18pt) WCAG AA × Fail

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 81.7996, 0.3317, 0.3281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

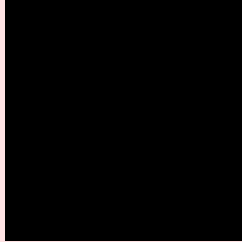
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

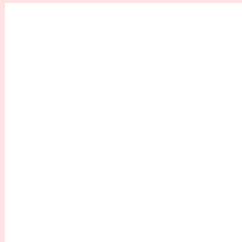
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7996, 0.3317, 0.3281

Background



This preview shows how black text looks on a background with the Yxy color 81.7996, 0.3317, 0.3281.

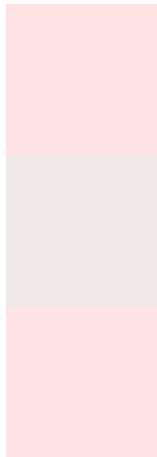


This preview shows how white text looks on a background with the Yxy color 81.7996, 0.3317, 0.3281.

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

81.7996, 0.3317, 0.3281

Protanopia

81.6599, 0.3174, 0.3300

Deuteranopia

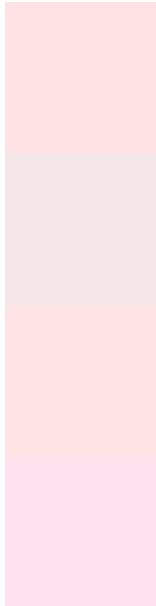
81.8553, 0.3311, 0.3271



Tritanopia

82.0635, 0.3225, 0.3133

Trichromacy



Original Color

81.7996, 0.3317, 0.3281

Protanomaly

81.5399, 0.3224, 0.3290

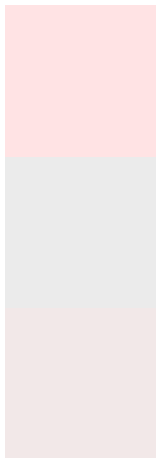
Deuteranomaly

81.8553, 0.3311, 0.3271

Tritanomaly

81.7671, 0.3258, 0.3182

Monochromacy



Original Color

81.7996, 0.3317, 0.3281

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.4167, 0.3195, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7996, 0.3317, 0.3281 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 228) }
```

Border

The CSS property to change the border of an element to Yxy 81.7996, 0.3317, 0.3281 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, 228) }
```

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

```
.border{ border-color:rgb(255, 227, 228) }
```

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, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7996, 0.3317, 0.3281 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, 228) }
```

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

```
.background{ background-color: rgb(255,  
227, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor