

Converting Colors

$Y_{xy}(83.4770, 0.3511, 0.3381)$

Have a look what the booklet for
Yxy(83.4770, 0.3511, 0.3381)
contains.

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Color

Yxy(80.6106, 0.3400, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2D8
RGB	255, 226, 216
RGB Percent	100%, 89%, 85%
CMY	0.0001, 0.1137, 0.1528
CMYK	0.00, 0.11, 0.15, 0.00
HSL	15°, 100%, 92%
HSV	15°, 15%, 100%
XYZ	80.8245, 80.6106, 76.2841
YIQ	233.5310, 20.4940, 3.0380

Conversions

Conversions Part 2

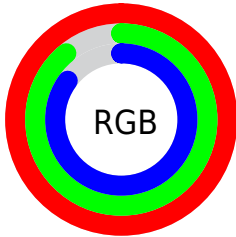
Format	Color
R _Y B	255, 229, 216
Decimal	16769752
CIE Lab	91.96, 8.36, 8.50
CIE LCh	92, 11.928, 45.468
Yxy	80.6106, 0.3400, 0.3391
Android (android.graphics.Color)	4294959832 (0xFFFFE2D8)
YUV	233.5310, -8.6428, 18.8283
Hunter-Lab	89.7834, 3.5678, 12.4729

Details

The Yxy color **80.6106, 0.3400, 0.3391** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.1143, 0.2891, 0.3187**, and the grayscale version is **81.9623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7048, 0.3465, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **69.6484, 0.3624, 0.3462**, and if you desaturate by 10%, it is **92.9246, 0.3213, 0.3324**.

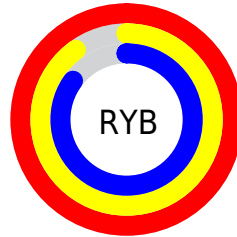
Distribution



Red (100%)

Green (89%)

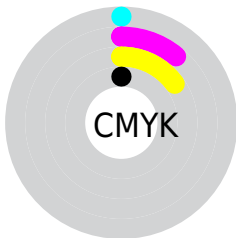
Blue (85%)



Red (100%)

Yellow (90%)

Blue (85%)

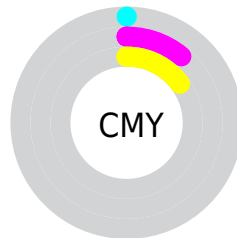


Cyan (0%)

Magenta (11%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6106, 0.3400, 0.3391 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 80.6106, 0.3400, 0.3391 by changing the saturation by 10% instead.

 80.6106, 0.3400,
0.3391

 80.6106, 0.3400,
0.3391


496.9882, 0.3275,
0.3347

 60.2209, 0.3428,
0.3401


134.2239, 0.3357,
0.3376

 43.5967, 0.3463,
0.3412


168.2163, 0.3340,
0.3370

 30.3536, 0.3506,
0.3427


207.5117, 0.3326,
0.3365

 20.1071, 0.3563,
0.3445

252.4946, 0.3313,
0.3360

 12.4730, 0.3639,
0.3469

303.5492, 0.3302,
0.3356

 7.0666, 0.3747,
0.3500

361.0602, 0.3292,

 3.5038, 0.3913,

0.3353

0.3545

425.4117, 0.3283,
0.3349

■ 1.4001, 0.4201,
0.3613

■ 0.2168, 0.6543,
0.3457

■ 80.6106, 0.3400,
0.3391

■ 80.6106, 0.3400,
0.3391

■ 69.6484, 0.3624,
0.3462

■ 92.9246, 0.3213,
0.3324

■ 59.9809, 0.3890,
0.3534

99.9937, 0.3127,
0.3290

■ 51.5626, 0.4202,
0.3603

■ 44.3413, 0.4558,
0.3661

■ 38.2611, 0.4945,
0.3698

■ 33.2610, 0.5339,
0.3703

■ 29.2743, 0.5701,
0.3667

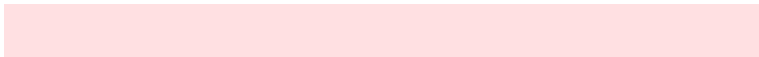
■ 26.2254, 0.5988,
0.3588

■ 25.0792, 0.6094,
0.3543

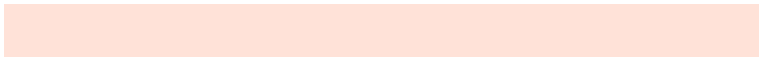
Harmonies

Analogous

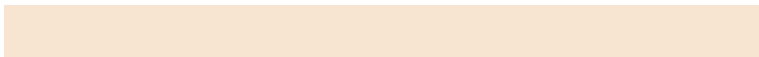
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6106, 0.3346, 0.3272



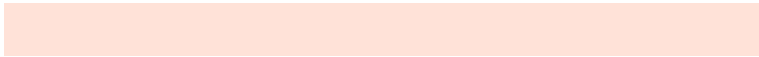
80.6106, 0.3400, 0.3391



80.6106, 0.3379, 0.3487

Triad

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



80.6106, 0.3400, 0.3391



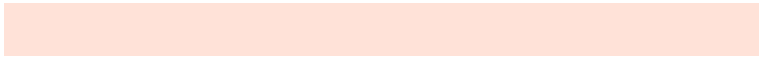
80.6106, 0.3020, 0.3426



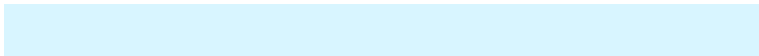
80.6106, 0.2964, 0.3055

Complementary

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



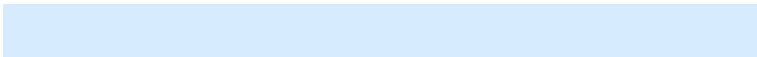
80.6106, 0.3400, 0.3391



87.1143, 0.2891, 0.3187

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.



80.6106, 0.2880, 0.3090



80.6106, 0.3400, 0.3391



80.6106, 0.2913, 0.3303

Square

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



80.6106, 0.3400, 0.3391



80.6106, 0.3158, 0.3511



80.6106, 0.2862, 0.3180



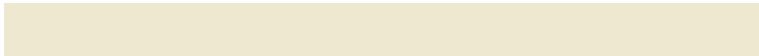
80.6106, 0.3092, 0.3081

Rectangle

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



80.6106, 0.3400, 0.3391



80.6106, 0.3326, 0.3525



80.6106, 0.2862, 0.3180



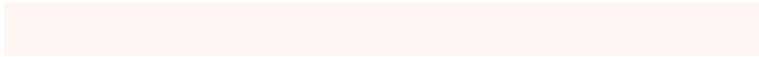
80.6106, 0.2930, 0.3060

Sweetspot

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



80.6142, 0.3400, 0.3391



93.3057, 0.3208, 0.3322



76.9873, 0.3210, 0.3003



19.7759, 0.3220, 0.3326



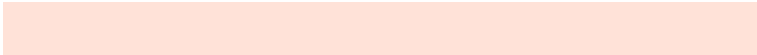
0.0000, 0.0000, 0.0000



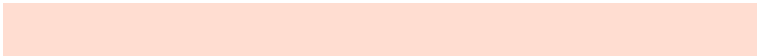
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6142, 0.3400, 0.3391



77.5136, 0.3457, 0.3410



91.6585, 0.3371, 0.3579



18.7441, 0.3288, 0.3352



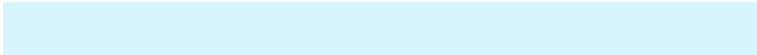
13.3095, 0.6067, 0.3565



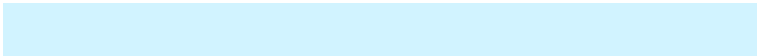
1.4627, 0.5849, 0.3738

Inverse Universe

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



87.1143, 0.2891, 0.3187



85.0278, 0.2849, 0.3167



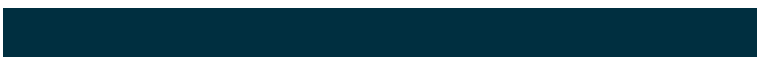
76.0856, 0.2883, 0.2984



19.6463, 0.2980, 0.3228



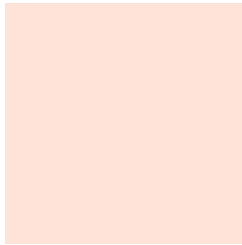
23.1785, 0.2010, 0.2434



2.4325, 0.2040, 0.2544

Previews

White Background



This preview shows how the Yxy color 80.6106, 0.3400, 0.3391 looks on a white background.

Color Contrast Check

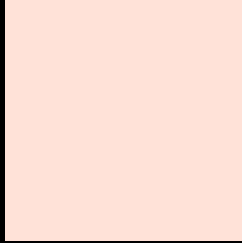
Large Text (above 18pt) WCAG AA × Fail

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 80.6106, 0.3400, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

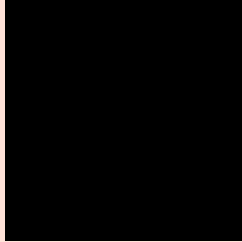
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

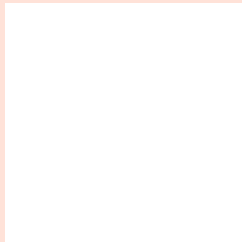
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6106, 0.3400, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 80.6106, 0.3400, 0.3391.

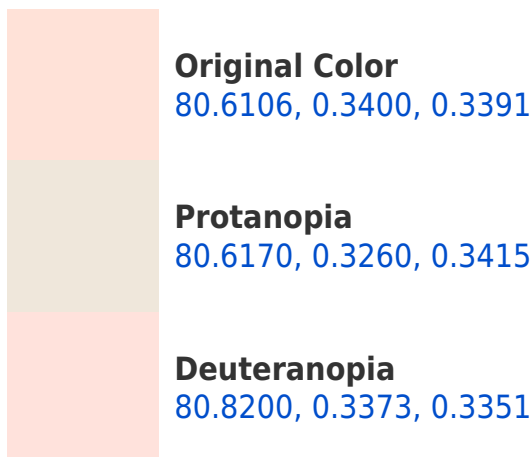


This preview shows how white text looks on a background with the Yxy color 80.6106, 0.3400, 0.3391.

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

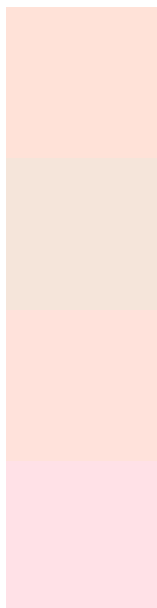




Tritanopia

80.8033, 0.3246, 0.3142

Trichromacy



Original Color

80.6106, 0.3400, 0.3391

Protanomaly

80.5131, 0.3311, 0.3403

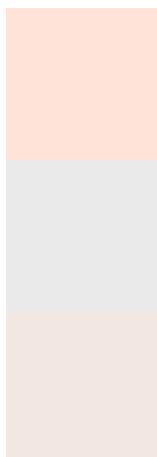
Deuteranomaly

80.7672, 0.3380, 0.3361

Tritanomaly

80.8799, 0.3299, 0.3231

Monochromacy



Original Color

80.6106, 0.3400, 0.3391

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.5751, 0.3228, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6106, 0.3400, 0.3391 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 216) }
```

Border

The CSS property to change the border of an element to Yxy 80.6106, 0.3400, 0.3391 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, 216) }
```

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

```
.border{ border-color:rgb(255, 226, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 226, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 226, 216); box-shadow:4px 4px 4px 4px rgb(255, 226, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6106, 0.3400, 0.3391 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
226, 216) }
```

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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