

Converting Colors

$Y_{xy}(80.8325, 0.3429, 0.3443)$

Have a look what the booklet for
Yxy(80.8325, 0.3429, 0.3443)
contains.

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Color

Yxy(80.9516, 0.3426, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	FFE3D4
RGB	255, 227, 212
RGB Percent	100%, 89%, 83%
CMY	0.0002, 0.1097, 0.1687
CMYK	0.00, 0.11, 0.17, 0.00
HSL	21°, 100%, 92%
HSV	21°, 17%, 100%
XYZ	80.5753, 80.9516, 73.6608
YIQ	233.6620, 21.5030, 1.2710

Conversions

Conversions Part 2

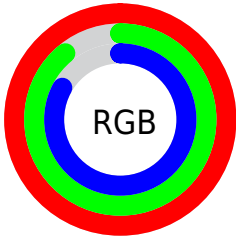
Format	Color
R _Y B	255, 235, 212
Decimal	16770004
CIE Lab	92.11, 7.22, 10.82
CIE LCh	92, 13.013, 56.289
Yxy	80.9516, 0.3426, 0.3442
Android (android.graphics.Color)	4294960084 (0xFFFFE3D4)
YUV	233.6620, -10.6794, 18.7134
Hunter-Lab	89.9731, 2.4025, 14.4406

Details

The Yxy color **80.9516, 0.3426, 0.3442** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.4771, 0.2864, 0.3133**, and the grayscale version is **82.0779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9451, 0.3499, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **71.1350, 0.3646, 0.3539**, and if you desaturate by 10%, it is **91.8509, 0.3239, 0.3350**.

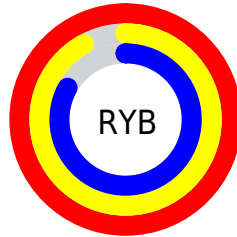
Distribution



Red (100%)

Green (89%)

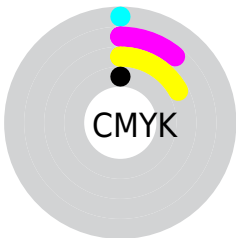
Blue (83%)



Red (100%)

Yellow (92%)

Blue (83%)

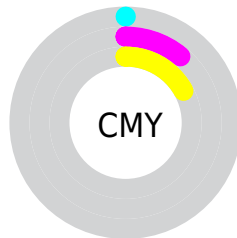


Cyan (0%)

Magenta (11%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9516, 0.3426, 0.3442 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 80.9516, 0.3426, 0.3442 by changing the saturation by 10% instead.


 80.9516, 0.3426,
0.3442

 80.9516, 0.3426,
0.3442


498.1340, 0.3289,
0.3375

 60.5017, 0.3457,
0.3457


134.7028, 0.3379,
0.3419

 43.8232, 0.3495,
0.3475


168.7729, 0.3361,
0.3410

 30.5315, 0.3542,
0.3497


208.1520, 0.3345,
0.3402

 20.2424, 0.3604,
0.3525

253.2242, 0.3331,
0.3395

 12.5714, 0.3687,
0.3562

304.3742, 0.3319,
0.3389

 7.1341, 0.3804,
0.3611

361.9862, 0.3308,

 3.5461, 0.3982,

0.3384

0.3682

426.4447, 0.3298,
0.3379

■ 1.4230, 0.4308,
0.3810

■ 0.2336, 0.6303,
0.3697

■ 80.9516, 0.3426,
0.3442

■ 80.9516, 0.3426,
0.3442

■ 71.1350, 0.3646,
0.3539

■ 91.8509, 0.3239,
0.3350

■ 62.3563, 0.3902,
0.3636

99.9886, 0.3127,
0.3290

■ 54.5831, 0.4195,
0.3728

■ 47.7774, 0.4521,
0.3807

■ 41.8984, 0.4868,
0.3860

■ 36.9019, 0.5217,
0.3875

■ 32.7396, 0.5536,
0.3841

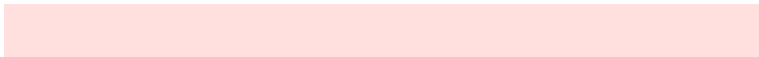
■ 29.3560, 0.5796,
0.3755

■ 28.4344, 0.5867,
0.3723

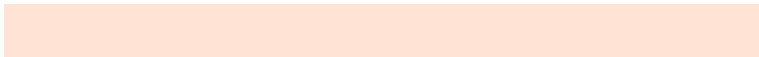
Harmonies

Analogous

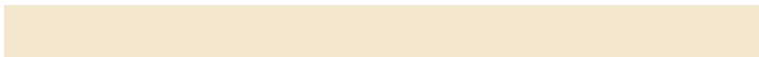
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9516, 0.3396, 0.3317



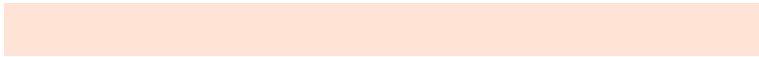
80.9516, 0.3426, 0.3442



80.9516, 0.3374, 0.3531

Triad

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



80.9516, 0.3426, 0.3442



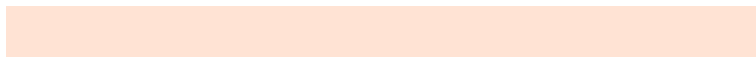
80.9516, 0.2963, 0.3393



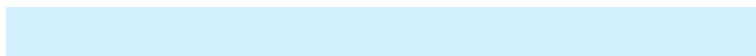
80.9516, 0.2995, 0.3037

Complementary

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



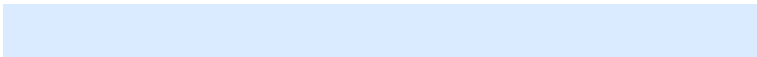
80.9516, 0.3426, 0.3442



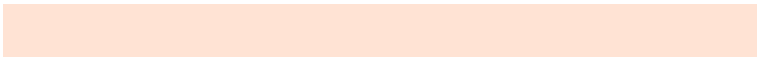
83.4771, 0.2864, 0.3133

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.



80.9516, 0.2884, 0.3051



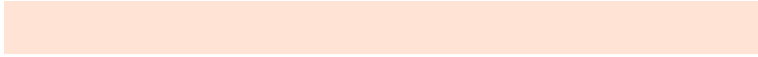
80.9516, 0.3426, 0.3442



80.9516, 0.2866, 0.3253

Square

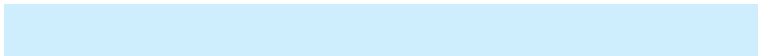
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9516, 0.3426, 0.3442



80.9516, 0.3105, 0.3505



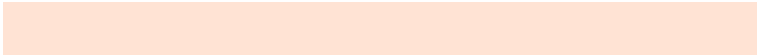
80.9516, 0.2837, 0.3128



80.9516, 0.3144, 0.3088

Rectangle

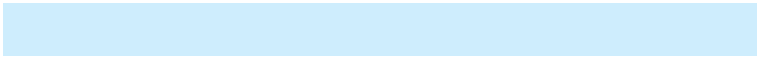
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9516, 0.3426, 0.3442



80.9516, 0.3301, 0.3555



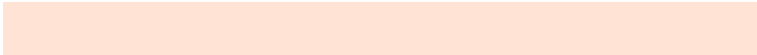
80.9516, 0.2837, 0.3128



80.9516, 0.2952, 0.3034

Sweetspot

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



80.9552, 0.3426, 0.3442



94.0322, 0.3207, 0.3333



74.6184, 0.3250, 0.3013



19.9520, 0.3219, 0.3340



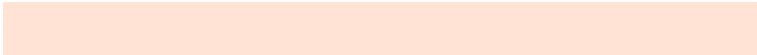
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.9552, 0.3426, 0.3442



77.7844, 0.3492, 0.3472



93.4431, 0.3391, 0.3650



19.0271, 0.3286, 0.3374



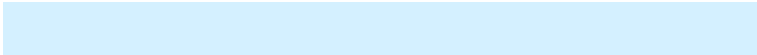
15.1172, 0.5838, 0.3747



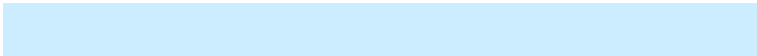
1.6676, 0.5620, 0.3920

Inverse Universe

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



83.4771, 0.2864, 0.3133



80.7106, 0.2815, 0.3101



71.5815, 0.2854, 0.2902



19.3483, 0.2980, 0.3205



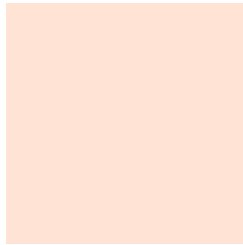
18.2631, 0.1916, 0.2099



1.9833, 0.1958, 0.2250

Previews

White Background



This preview shows how the Yxy color 80.9516, 0.3426, 0.3442 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 80.9516, 0.3426, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

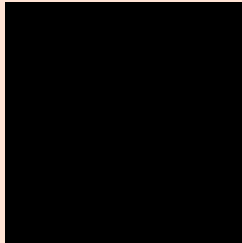
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

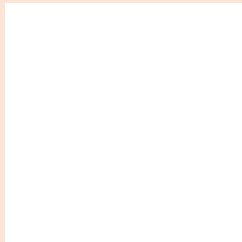
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9516, 0.3426, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 80.9516, 0.3426, 0.3442.

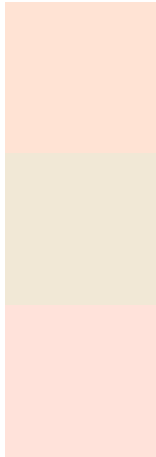


This preview shows how white text looks on a background with the Yxy color 80.9516, 0.3426, 0.3442.

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

80.9516, 0.3426, 0.3442

Protanopia

81.2690, 0.3305, 0.3476

Deuteranopia

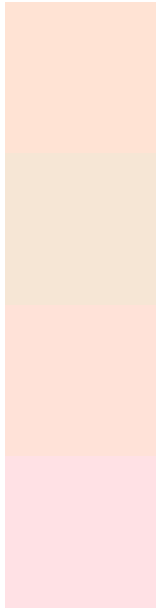
80.7147, 0.3387, 0.3371



Tritanopia

80.8033, 0.3246, 0.3142

Trichromacy



Original Color

80.9516, 0.3426, 0.3442

Protanomaly

80.9906, 0.3350, 0.3465

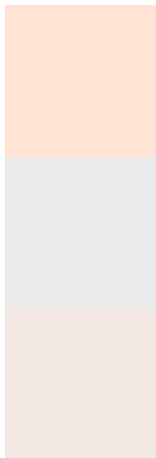
Deuteranomaly

80.6106, 0.3400, 0.3391

Tritanomaly

80.7676, 0.3313, 0.3251

Monochromacy



Original Color

80.9516, 0.3426, 0.3442

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.5201, 0.3235, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9516, 0.3426, 0.3442 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 212) }
```

Border

The CSS property to change the border of an element to Yxy 80.9516, 0.3426, 0.3442 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, 212) }
```

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

```
.border{ border-color:rgb(255, 227, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9516, 0.3426, 0.3442 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, 212) }
```

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

```
.background{ background-color: rgb(255,  
227, 212) }
```

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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