

Converting Colors

$Y_{xy}(100.0000, 0.4036, 0.3403)$

Have a look what the booklet for
Yxy(100.0000, 0.4036, 0.3403)
contains.

Yxy(80.4062, 0.3428, 0.3432)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.4062, 0.3428, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2D4
RGB	255, 226, 212
RGB Percent	100%, 89%, 83%
CMY	0.0001, 0.1137, 0.1687
CMYK	0.00, 0.11, 0.17, 0.00
HSL	20°, 100%, 92%
HSV	20°, 17%, 100%
XYZ	80.3125, 80.4062, 73.5651
YIQ	233.0750, 21.7780, 1.7940

Conversions

Conversions Part 2

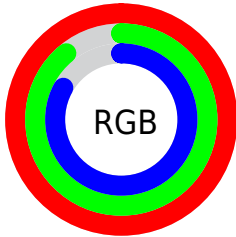
Format	Color
R _Y B	255, 233, 212
Decimal	16769748
CIE Lab	91.87, 7.76, 10.48
CIE LCh	92, 13.039, 53.499
Yxy	80.4062, 0.3428, 0.3432
Android (android.graphics.Color)	4294959828 (0xFFFFE2D4)
YUV	233.0750, -10.3900, 19.2282
Hunter-Lab	89.6695, 2.9519, 14.1270

Details

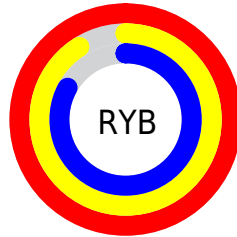
The Yxy color **80.4062, 0.3428, 0.3432** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.0952, 0.2865, 0.3144**, and the grayscale version is **81.6123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5659, 0.3501, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **70.3431, 0.3651, 0.3522**, and if you desaturate by 10%, it is **91.6157, 0.3239, 0.3346**.

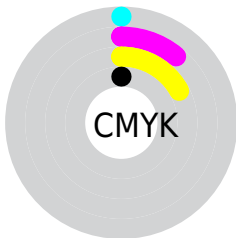
Distribution



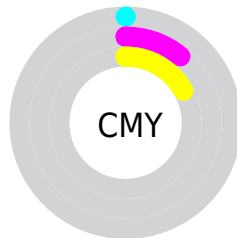
- Red (100%)
- Green (89%)
- Blue (83%)



- Red (100%)
- Yellow (91%)
- 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 80.4062, 0.3428, 0.3432 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 80.4062, 0.3428, 0.3432 by changing the saturation by 10% instead.


 80.4062, 0.3428,
0.3432

 80.4062, 0.3428,
0.3432


496.3007, 0.3290,
0.3369

 60.0527, 0.3459,
0.3446

133.9367, 0.3381,
0.3411

 43.4611, 0.3497,
0.3462


167.8824, 0.3362,
0.3402

 30.2471, 0.3545,
0.3483


207.1277, 0.3346,
0.3395

 20.0262, 0.3608,
0.3509

252.0569, 0.3332,
0.3388

 12.4141, 0.3692,
0.3543

303.0544, 0.3320,
0.3383

 7.0263, 0.3811,
0.3589

360.5046, 0.3309,

 3.4786, 0.3992,

0.3378

0.3654

424.7919, 0.3299,
0.3373

■ 1.3864, 0.4327,
0.3774

■ 0.2067, 0.6512,
0.3488

■ 80.4062, 0.3428,
0.3432

■ 80.4062, 0.3428,
0.3432

■ 70.3431, 0.3651,
0.3522

■ 91.6157, 0.3239,
0.3346

■ 61.3787, 0.3911,
0.3613

99.9959, 0.3127,
0.3290

■ 53.4776, 0.4211,
0.3699

■ 46.5983, 0.4546,
0.3772

■ 40.6967, 0.4904,
0.3820

■ 35.7245, 0.5264,
0.3830

■ 31.6291, 0.5593,
0.3793

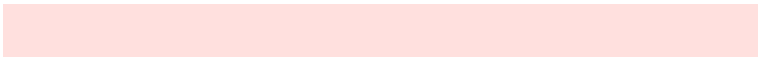
■ 28.3504, 0.5858,
0.3706

■ 27.4728, 0.5930,
0.3674

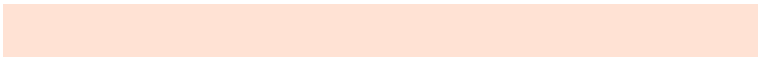
Harmonies

Analogous

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



80.4062, 0.3390, 0.3305



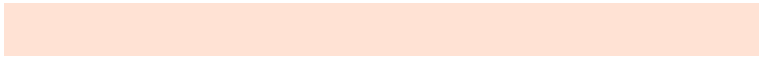
80.4062, 0.3428, 0.3432



80.4062, 0.3383, 0.3526

Triad

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



80.4062, 0.3428, 0.3432



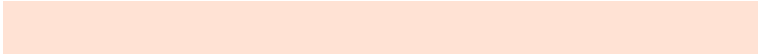
80.4062, 0.2974, 0.3406



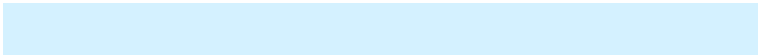
80.4062, 0.2982, 0.3035

Complementary

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



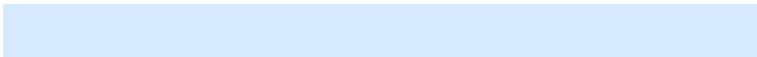
80.4062, 0.3428, 0.3432



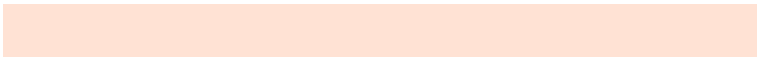
84.0952, 0.2865, 0.3144

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.



80.4062, 0.2875, 0.3054



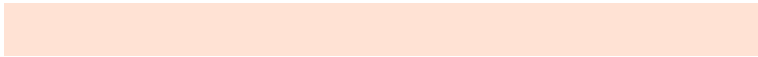
80.4062, 0.3428, 0.3432



80.4062, 0.2871, 0.3266

Square

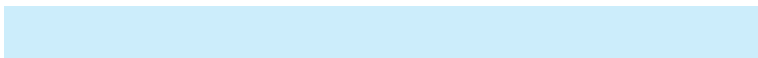
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4062, 0.3428, 0.3432



80.4062, 0.3119, 0.3514



80.4062, 0.2835, 0.3138



80.4062, 0.3130, 0.3080

Rectangle

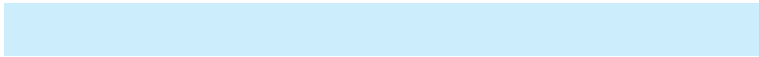
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4062, 0.3428, 0.3432



80.4062, 0.3313, 0.3555



80.4062, 0.2835, 0.3138



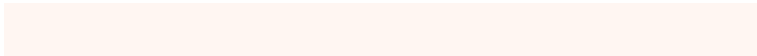
80.4062, 0.2940, 0.3034

Sweetspot

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



80.4098, 0.3428, 0.3432



93.8472, 0.3208, 0.3330



74.7094, 0.3240, 0.2999



19.9072, 0.3219, 0.3336



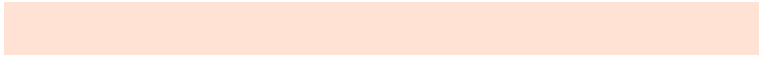
0.0000, 0.0000, 0.0000



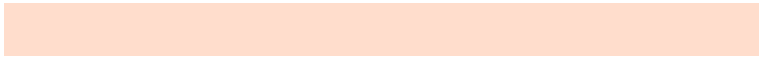
21.4041, 0.3127, 0.3290

Same Dimension

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



80.4098, 0.3428, 0.3432



77.1432, 0.3494, 0.3460



92.5894, 0.3394, 0.3637



18.9549, 0.3286, 0.3368



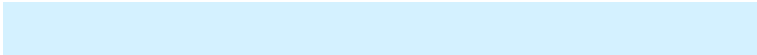
14.5982, 0.5900, 0.3697



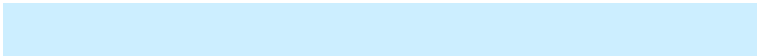
1.6107, 0.5680, 0.3872

Inverse Universe

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



84.0952, 0.2865, 0.3144



81.4156, 0.2816, 0.3114



72.3316, 0.2854, 0.2918



19.4236, 0.2980, 0.3211



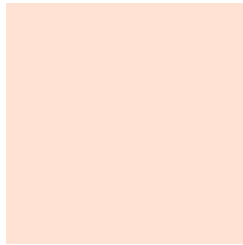
19.4325, 0.1940, 0.2184



2.0913, 0.1979, 0.2325

Previews

White Background



This preview shows how the Yxy color 80.4062, 0.3428, 0.3432 looks on a white background.

Color Contrast Check

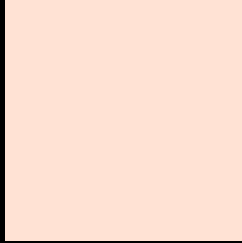
Large Text (above 18pt) WCAG AA × Fail

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 80.4062, 0.3428, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

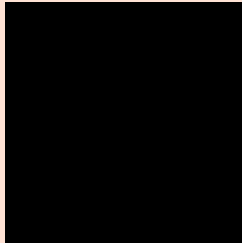
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

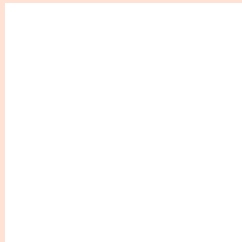
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4062, 0.3428, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 80.4062, 0.3428, 0.3432.

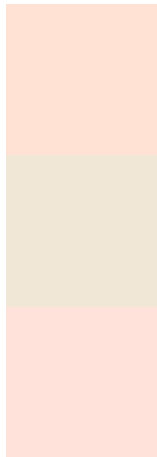


This preview shows how white text looks on a background with the Yxy color 80.4062, 0.3428, 0.3432.

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

80.4062, 0.3428, 0.3432

Protanopia

80.5834, 0.3293, 0.3456

Deuteranopia

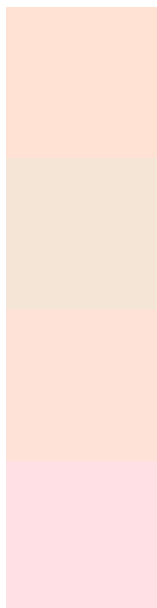
80.6625, 0.3394, 0.3381



Tritanopia

80.2084, 0.3254, 0.3142

Trichromacy



Original Color

80.4062, 0.3428, 0.3432

Protanomaly

80.3061, 0.3338, 0.3445

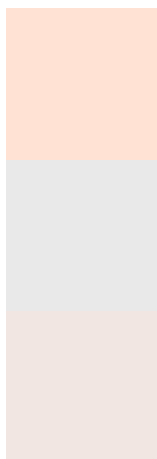
Deuteranomaly

80.5590, 0.3407, 0.3401

Tritanomaly

80.2285, 0.3314, 0.3241

Monochromacy



Original Color

80.4062, 0.3428, 0.3432

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.7306, 0.3235, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4062, 0.3428, 0.3432 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 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, 226, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 212) }
```

Border

The CSS property to change the border of an element to Yxy 80.4062, 0.3428, 0.3432 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, 212) }
```

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

```
.border{ border-color:rgb(255, 226, 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, 226, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 226, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 226, 212); box-shadow:4px 4px 4px 4px rgb(255, 226, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4062, 0.3428, 0.3432 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, 212) }
```

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

```
.background{ background-color: rgb(255,  
226, 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](#).

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