

# Converting Colors

$Y_{xy}(100.0000, 0.4019, 0.3394)$

Have a look what the booklet for  
Yxy(100.0000, 0.4019, 0.3394)  
contains.

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# **Color**

**Yxy(80.4568, 0.3421, 0.3422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2D5
RGB	255, 226, 213
RGB Percent	100%, 89%, 84%
CMY	0.0002, 0.1136, 0.1648
CMYK	0.00, 0.11, 0.16, 0.00
HSL	19°, 100%, 92%
HSV	19°, 16%, 100%
XYZ	80.4333, 80.4568, 74.2262
YIQ	233.1890, 21.4570, 2.1050

# Conversions

## Conversions Part 2

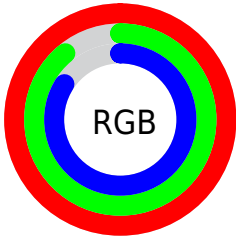
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 232, 213
Decimal	16769749
CIE Lab	91.89, 7.90, 10.00
CIE LCh	92, 12.738, 51.696
Yxy	80.4568, 0.3421, 0.3422
Android (android.graphics.Color)	4294959829 (0xFFFFE2D5)
YUV	233.1890, -9.9532, 19.1282
Hunter-Lab	89.6977, 3.0926, 13.7250

# Details

The Yxy color  $80.4568, 0.3421, 0.3422$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $84.8155, 0.2871, 0.3154$ , and the grayscale version is  $81.6978, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $43.6002, 0.3492, 0.3459$  is the 20% darker color. If you saturate the color by 10%, you get  $70.1914, 0.3644, 0.3508$ , and if you desaturate by 10%, it is  $91.9126, 0.3233, 0.3340$ .

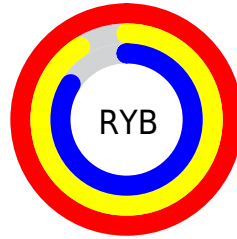
# Distribution



Red (100%)

Green (89%)

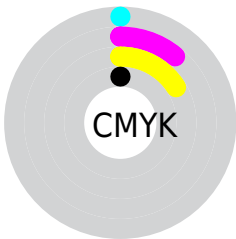
Blue (84%)



Red (100%)

Yellow (91%)

Blue (84%)

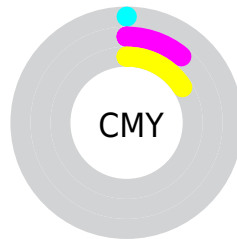


Cyan (0%)

Magenta (11%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4568, 0.3421, 0.3422 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 80.4568, 0.3421, 0.3422 by changing the saturation by 10% instead.



 80.4568, 0.3421,  
0.3422

 80.4568, 0.3421,  
0.3422

496.4709, 0.3287,  
0.3364

 60.0943, 0.3451,  
0.3435


134.0078, 0.3375,  
0.3402

 43.4947, 0.3489,  
0.3450


167.9651, 0.3357,  
0.3394

 30.2734, 0.3536,  
0.3469


207.2228, 0.3341,  
0.3388

 20.0462, 0.3596,  
0.3493

252.1652, 0.3327,  
0.3382

 12.4286, 0.3679,  
0.3525

303.1769, 0.3315,  
0.3376

 7.0363, 0.3795,  
0.3568

360.6421, 0.3305,

 3.4848, 0.3973,

0.3372

0.3628

424.9454, 0.3295,  
0.3367

■ 1.3898, 0.4294,  
0.3733

■ 0.2092, 0.6518,  
0.3482

■ 80.4568, 0.3421,  
0.3422

■ 80.4568, 0.3421,  
0.3422

■ 70.1914, 0.3644,  
0.3508

■ 91.9126, 0.3233,  
0.3340

■ 61.0669, 0.3906,  
0.3595

99.9925, 0.3127,  
0.3290

■ 53.0458, 0.4208,  
0.3677

■ 46.0844, 0.4547,  
0.3747

■ 40.1361, 0.4913,  
0.3792

■ 35.1503, 0.5281,  
0.3802

■ 31.0714, 0.5618,  
0.3764

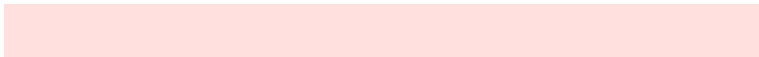
■ 27.8364, 0.5888,  
0.3678

■ 26.8754, 0.5969,  
0.3643

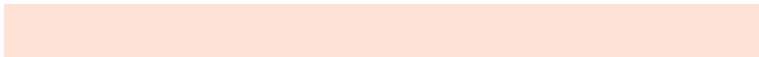
# Harmonies

## Analogous

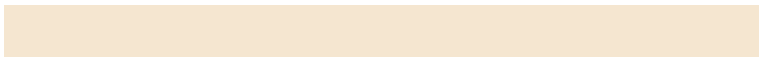
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4568, 0.3379, 0.3297



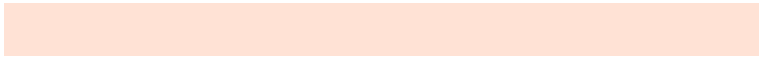
80.4568, 0.3421, 0.3422



80.4568, 0.3382, 0.3516

# Triad

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



80.4568, 0.3421, 0.3422



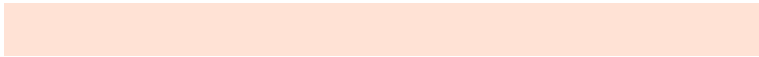
80.4568, 0.2985, 0.3411



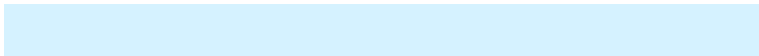
80.4568, 0.2978, 0.3040

# Complementary

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



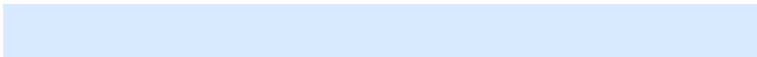
80.4568, 0.3421, 0.3422



84.8155, 0.2871, 0.3154

# 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.



80.4568, 0.2877, 0.3063



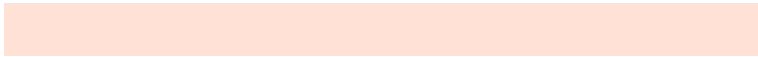
80.4568, 0.3421, 0.3422



80.4568, 0.2881, 0.3275

# Square

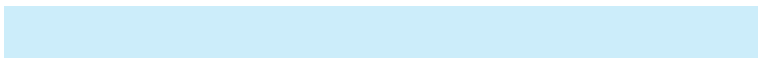
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4568, 0.3421, 0.3422



80.4568, 0.3128, 0.3513



80.4568, 0.2842, 0.3148



80.4568, 0.3121, 0.3080



# Rectangle

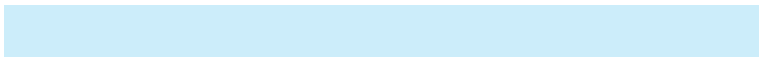
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4568, 0.3421, 0.3422



80.4568, 0.3316, 0.3548



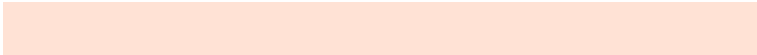
80.4568, 0.2842, 0.3148



80.4568, 0.2938, 0.3040

# Sweetspot

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



80.4604, 0.3421, 0.3422



93.7260, 0.3208, 0.3329



75.2633, 0.3232, 0.3000



19.8778, 0.3220, 0.3334



0.0000, 0.0000, 0.0000

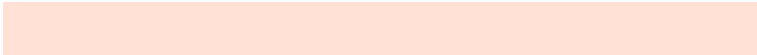


21.4041, 0.3127, 0.3290

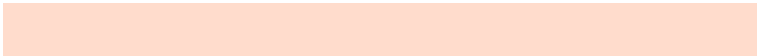


# Same Dimension

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



80.4604, 0.3421, 0.3422



76.7248, 0.3496, 0.3452



92.3108, 0.3388, 0.3622



18.9076, 0.3287, 0.3364



14.2800, 0.5939, 0.3666

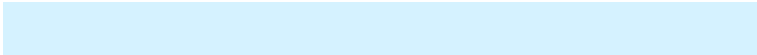


1.5751, 0.5719, 0.3841

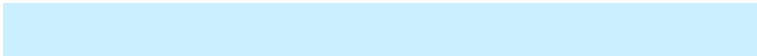


# Inverse Universe

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



84.8155, 0.2871, 0.3154



81.8810, 0.2816, 0.3122



73.2718, 0.2861, 0.2935



19.4732, 0.2980, 0.3214



20.2292, 0.1956, 0.2240

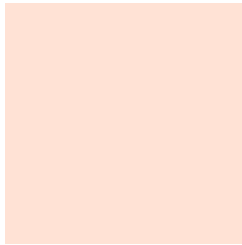


2.1645, 0.1993, 0.2374



# Previews

## White Background



This preview shows how the Yxy color 80.4568, 0.3421, 0.3422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

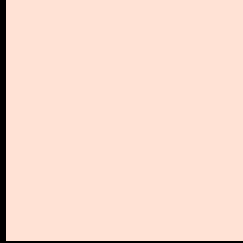
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.4568, 0.3421, 0.3422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

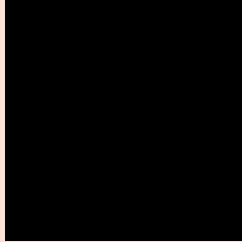
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.4568, 0.3421, 0.3422**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.4568, 0.3421, 0.3422.

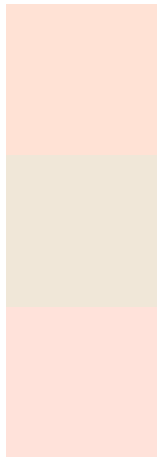


This preview shows how white text looks on a background with the Yxy color 80.4568, 0.3421, 0.3422.

# 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

80.4568, 0.3421, 0.3422

### Protanopia

80.6350, 0.3286, 0.3446

### Deuteranopia

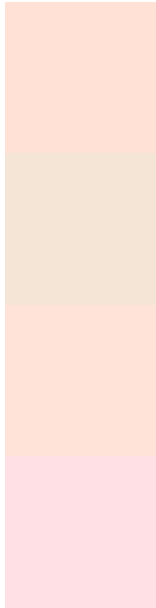
80.7147, 0.3387, 0.3371



## Tritanopia

80.2084, 0.3254, 0.3142

# Trichromacy



## Original Color

80.4568, 0.3421, 0.3422

## Protanomaly

80.3574, 0.3331, 0.3434

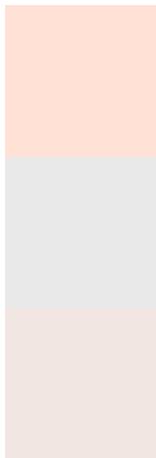
## Deuteranomaly

80.6106, 0.3400, 0.3391

## Tritanomaly

80.2285, 0.3314, 0.3241

# Monochromacy



## Original Color

80.4568, 0.3421, 0.3422

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

80.7854, 0.3229, 0.3331

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.4568, 0.3421, 0.3422 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 80.4568, 0.3421, 0.3422 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, 213) }
```

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

```
.border{ border-color:rgb(255, 226, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 226, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 226, 213); box-shadow:4px 4px 4px 4px rgb(255, 226, 213) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 80.4568, 0.3421, 0.3422$  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, 213) }
```

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

```
.background{ background-color: rgb(255,  
226, 213) }
```

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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