

# Converting Colors

$Y_{xy}(117.3315, 0.4401, 0.3373)$

Have a look what the booklet for  
Yxy(117.3315, 0.4401, 0.3373)  
contains.

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# Color

**Yxy(79.9145, 0.3423, 0.3412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE1D5
RGB	255, 225, 213
RGB Percent	100%, 88%, 84%
CMY	0.0000, 0.1176, 0.1648
CMYK	0.00, 0.12, 0.16, 0.00
HSL	17°, 100%, 92%
HSV	17°, 16%, 100%
XYZ	80.1721, 79.9145, 74.1294
YIQ	232.6020, 21.7320, 2.6280

# Conversions

## Conversions Part 2

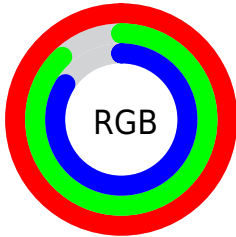
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 230, 213
Decimal	16769493
CIE Lab	91.65, 8.43, 9.65
CIE LCh	92, 12.817, 48.871
Yxy	79.9145, 0.3423, 0.3412
Android (android.graphics.Color)	4294959573 (0xFFFFE1D5)
YUV	232.6020, -9.6638, 19.6430
Hunter-Lab	89.3949, 3.6433, 13.4111

# Details

The Yxy color **79.9145, 0.3423, 0.3412** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **85.4395, 0.2871, 0.3165**, and the grayscale version is **81.2333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2238, 0.3495, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **69.4033, 0.3649, 0.3491**, and if you desaturate by 10%, it is **91.6847, 0.3233, 0.3336**.

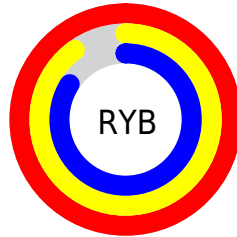
# Distribution



Red (100%)

Green (88%)

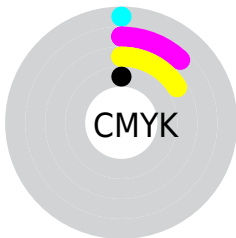
Blue (84%)



Red (100%)

Yellow (90%)

Blue (84%)

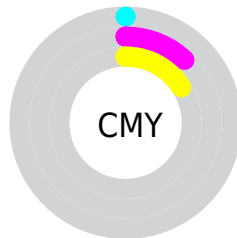


Cyan (0%)

Magenta (12%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9145, 0.3423, 0.3412 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 79.9145, 0.3423, 0.3412 by changing the saturation by 10% instead.




 79.9145, 0.3423,  
0.3412

 79.9145, 0.3423,  
0.3412


494.6446, 0.3287,  
0.3358

 59.6480, 0.3454,  
0.3424


133.2455, 0.3376,  
0.3394

 43.1350, 0.3491,  
0.3438


167.0788, 0.3358,  
0.3387

 29.9910, 0.3539,  
0.3455


206.2032, 0.3342,  
0.3380

 19.8318, 0.3600,  
0.3478

251.0030, 0.3328,  
0.3375

 12.2728, 0.3684,  
0.3506

301.8627, 0.3316,  
0.3370

 6.9298, 0.3802,  
0.3545

359.1666, 0.3306,

 3.4182, 0.3983,

0.3366

0.3600

423.2991, 0.3296,  
0.3362

■ 1.3538, 0.4313,  
0.3697

■ 0.1823, 0.6753,  
0.3247

■ 79.9145, 0.3423,  
0.3412

■ 79.9145, 0.3423,  
0.3412

■ 69.4033, 0.3649,  
0.3491

■ 91.6847, 0.3233,  
0.3336

■ 60.0985, 0.3915,  
0.3572

100.0000, 0.3127,  
0.3290

■ 51.9589, 0.4224,  
0.3647

■ 44.9370, 0.4573,  
0.3711

■ 38.9820, 0.4949,  
0.3751

■ 34.0386, 0.5328,  
0.3756

■ 30.0462, 0.5674,  
0.3716

■ 26.9358, 0.5947,  
0.3631

■ 26.0307, 0.6027,  
0.3596

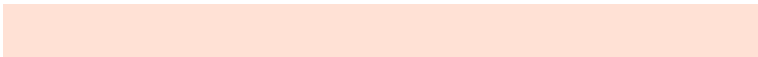
# Harmonies

## Analogous

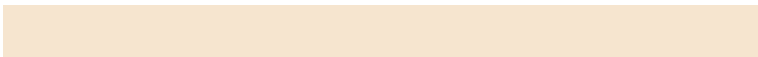
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9145, 0.3373, 0.3285



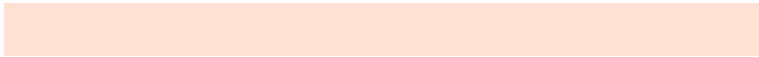
79.9145, 0.3423, 0.3412



79.9145, 0.3391, 0.3511

# Triad

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



79.9145, 0.3423, 0.3412



79.9145, 0.2996, 0.3423



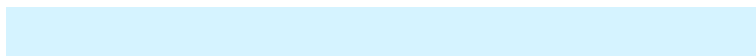
79.9145, 0.2965, 0.3037

# Complementary

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



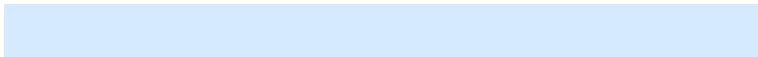
79.9145, 0.3423, 0.3412



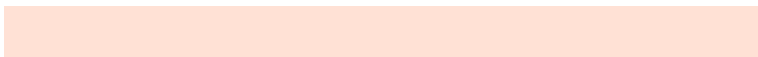
85.4395, 0.2871, 0.3165

# 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.



79.9145, 0.2868, 0.3067



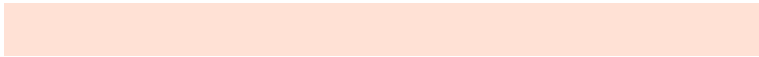
79.9145, 0.3423, 0.3412



79.9145, 0.2887, 0.3288

# Square

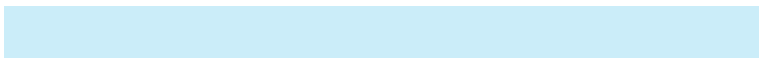
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9145, 0.3423, 0.3412



79.9145, 0.3143, 0.3522



79.9145, 0.2840, 0.3157



79.9145, 0.3106, 0.3072



# Rectangle

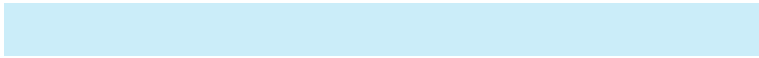
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9145, 0.3423, 0.3412



79.9145, 0.3329, 0.3547



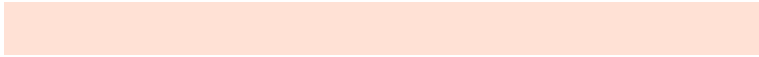
79.9145, 0.2840, 0.3157



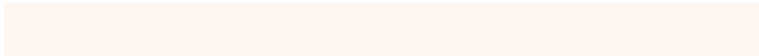
79.9145, 0.2926, 0.3040

# Sweetspot

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



79.9180, 0.3423, 0.3412



93.5378, 0.3208, 0.3326



75.3101, 0.3227, 0.2993



19.8321, 0.3220, 0.3331



0.0000, 0.0000, 0.0000

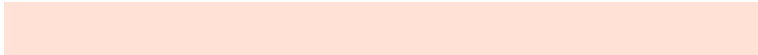


21.4041, 0.3127, 0.3290



# Same Dimension

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



79.9180, 0.3423, 0.3412



76.0786, 0.3498, 0.3440



91.9094, 0.3390, 0.3616



18.8344, 0.3287, 0.3359



13.8205, 0.5998, 0.3619

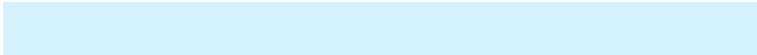


1.5227, 0.5778, 0.3794

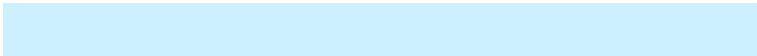


# Inverse Universe

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



85.4395, 0.2871, 0.3165



82.6083, 0.2817, 0.3135



73.6450, 0.2861, 0.2942



19.5505, 0.2980, 0.3220



21.5131, 0.1980, 0.2327

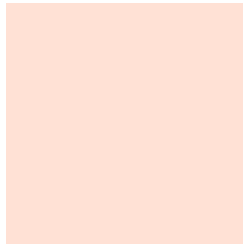


2.2817, 0.2014, 0.2450



# Previews

## White Background



This preview shows how the Yxy color 79.9145, 0.3423, 0.3412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

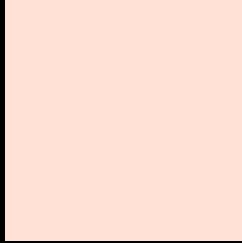
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.9145, 0.3423, 0.3412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

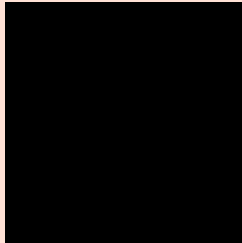
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.9145, 0.3423, 0.3412**

## Background



This preview shows how black text looks on a background with the Yxy color 79.9145, 0.3423, 0.3412.

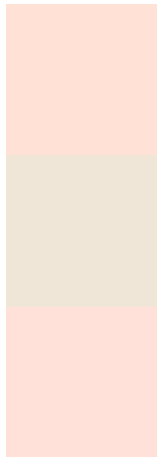


This preview shows how white text looks on a background with the Yxy color 79.9145, 0.3423, 0.3412.

# 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

79.9145, 0.3423, 0.3412

### Protanopia

79.9022, 0.3280, 0.3436

### Deuteranopia

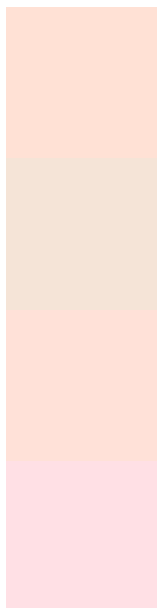
80.1202, 0.3395, 0.3371



## Tritanopia

80.2084, 0.3254, 0.3142

# Trichromacy



## Original Color

79.9145, 0.3423, 0.3412

## Protanomaly

79.8056, 0.3332, 0.3424

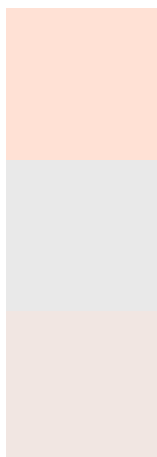
## Deuteranomaly

80.0683, 0.3402, 0.3381

## Tritanomaly

80.2285, 0.3314, 0.3241

# Monochromacy



## Original Color

79.9145, 0.3423, 0.3412

## 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 79.9145, 0.3423, 0.3412 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, 225, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 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, 225, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 79.9145, 0.3423, 0.3412 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, 225, 213) }
```

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

```
.border{ border-color:rgb(255, 225, 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, 225, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.9145, 0.3423, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 213) }
```

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

```
.background{ background-color: rgb(255,  
225, 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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