

# Converting Colors

$Y_{xy}(79.9931, 0.3336, 0.3437)$

Have a look what the booklet for  
Yxy(79.9931, 0.3336, 0.3437)  
contains.

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# Color

**Yxy(79.7543, 0.3339, 0.3434)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E4D6
RGB	245, 228, 214
RGB Percent	96%, 89%, 84%
CMY	0.0391, 0.1059, 0.1607
CMYK	0.00, 0.07, 0.13, 0.04
HSL	27°, 61%, 90%
HSV	27°, 13%, 96%
XYZ	77.5479, 79.7543, 74.9467
YIQ	231.4870, 14.6260, -0.7500

# Conversions

## Conversions Part 2

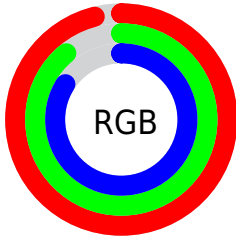
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 240, 214
Decimal	16114902
CIE Lab	91.57, 3.53, 8.89
CIE LCh	92, 9.560, 68.340
Yxy	79.7543, 0.3339, 0.3434
Android (android.graphics.Color)	4294304982 (0xFF5E4D6)
YUV	231.4870, -8.6211, 11.8509
Hunter-Lab	89.3053, -1.2843, 12.7563

# Details

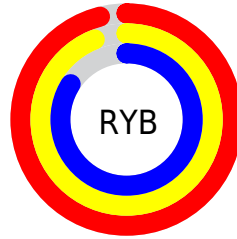
The Yxy color **79.7543, 0.3339, 0.3434** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.0867, 0.2930, 0.3142**, and the grayscale version is **80.3562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2092, 0.3394, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **71.4748, 0.3536, 0.3555**, and if you desaturate by 10%, it is **88.8064, 0.3168, 0.3319**.

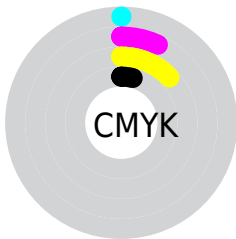
# Distribution



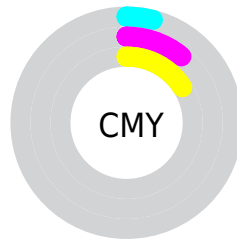
- Red (96%)
- Green (89%)
- Blue (84%)



- Red (96%)
- Yellow (94%)
- Blue (84%)



- Cyan (0%)
- Magenta (7%)
- Yellow (13%)
- Black (4%)



- Cyan (4%)
- Magenta (11%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7543, 0.3339, 0.3434 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 79.7543, 0.3339, 0.3434 by changing the saturation by 10% instead.



79.7543, 0.3339,  
0.3434

79.7543, 0.3339,  
0.3434

494.1044, 0.3242,  
0.3369

59.5162, 0.3361,  
0.3448

133.0202, 0.3306,  
0.3412

43.0288, 0.3388,  
0.3466

166.8168, 0.3293,  
0.3403

29.9077, 0.3422,  
0.3488

205.9018, 0.3281,  
0.3396

19.7685, 0.3465,  
0.3517

250.6593, 0.3272,  
0.3389

12.2269, 0.3525,  
0.3554

301.4740, 0.3263,  
0.3383

6.8984, 0.3608,  
0.3607

358.7301, 0.3255,

3.3986, 0.3737,

0.3378

422.8122, 0.3248,  
0.3373

0.3685

1.3432, 0.3970,  
0.3826

0.1743, 0.5909,  
0.4091

79.7543, 0.3339,  
0.3434

79.7543, 0.3339,  
0.3434

71.4748, 0.3536,  
0.3555

88.8064, 0.3168,  
0.3319

63.9360, 0.3761,  
0.3679

98.1123, 0.3066,  
0.3289

57.1187, 0.4014,  
0.3800

98.1578, 0.3066,  
0.3290

50.9990, 0.4293,  
0.3911

■ 45.5517, 0.4590,  
0.4000

■ 40.7493, 0.4891,  
0.4055

■ 36.5617, 0.5177,  
0.4063

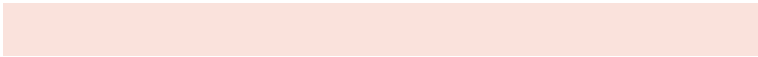
■ 32.9554, 0.5425,  
0.4016

■ 30.6463, 0.5580,  
0.3951

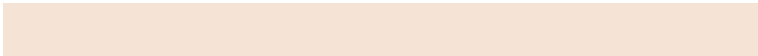
# Harmonies

## Analogous

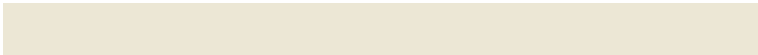
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7543, 0.3341, 0.3350



79.7543, 0.3339, 0.3434



79.7543, 0.3279, 0.3481

# Triad

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



79.7543, 0.3339, 0.3434



79.7543, 0.2971, 0.3326



79.7543, 0.3072, 0.3112

# Complementary

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



79.7543, 0.3339, 0.3434



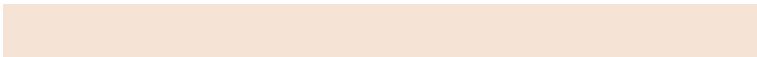
78.0867, 0.2930, 0.3142

# 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.



79.7543, 0.2975, 0.3103



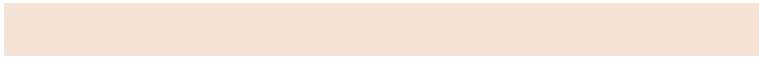
79.7543, 0.3339, 0.3434



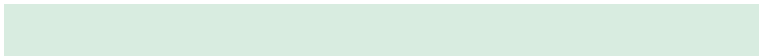
79.7543, 0.2918, 0.3224

# Square

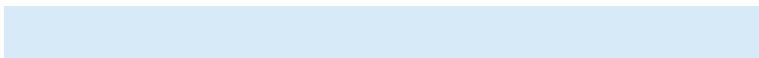
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7543, 0.3339, 0.3434



79.7543, 0.3067, 0.3419



79.7543, 0.2919, 0.3143

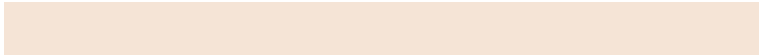


79.7543, 0.3186, 0.3166



# Rectangle

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



79.7543, 0.3339, 0.3434



79.7543, 0.3215, 0.3484



79.7543, 0.2919, 0.3143



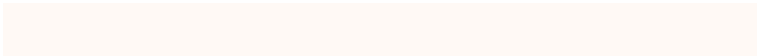
79.7543, 0.3037, 0.3103

# Sweetspot

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



79.7578, 0.3339, 0.3434



95.8354, 0.3190, 0.3334



73.3022, 0.3237, 0.3116



20.3484, 0.3202, 0.3343



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

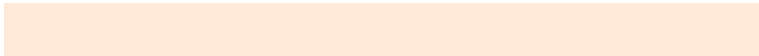


# Same Dimension

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



79.7578, 0.3339, 0.3434



85.0891, 0.3383, 0.3462



88.6635, 0.3319, 0.3588



17.7115, 0.3282, 0.3397



16.7732, 0.5553, 0.3973



1.6764, 0.5340, 0.4142

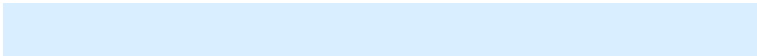


# Inverse Universe

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



78.0867, 0.2930, 0.3142



82.9506, 0.2892, 0.3111



69.7943, 0.2926, 0.2973



17.4367, 0.2980, 0.3181



13.1161, 0.1818, 0.1746

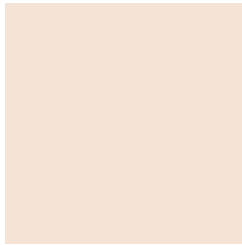


1.3579, 0.1877, 0.1955



# Previews

## White Background



This preview shows how the Yxy color 79.7543, 0.3339, 0.3434 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 79.7543, 0.3339, 0.3434 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

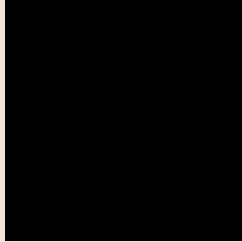
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

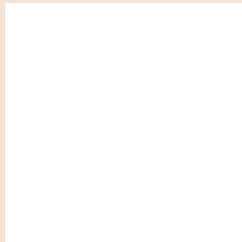
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.7543, 0.3339, 0.3434**

## Background



This preview shows how black text looks on a background with the Yxy color 79.7543, 0.3339, 0.3434.

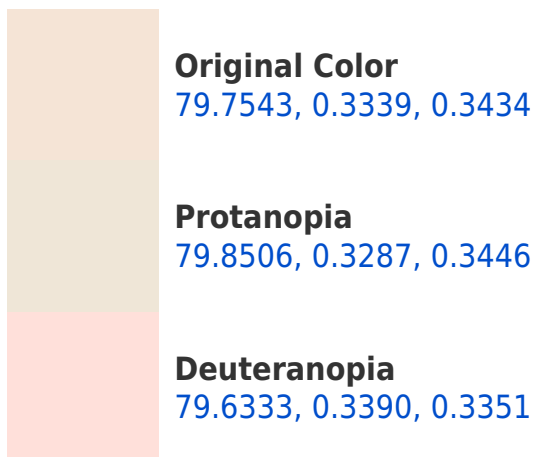


This preview shows how white text looks on a background with the Yxy color 79.7543, 0.3339, 0.3434.

# 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

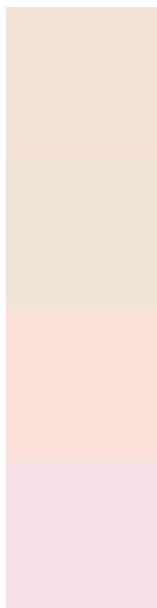




## Tritanopia

79.8019, 0.3191, 0.3121

# Trichromacy



## Original Color

79.7543, 0.3339, 0.3434

## Protanomaly

79.6457, 0.3302, 0.3435

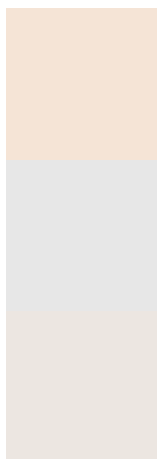
## Deuteranomaly

79.3694, 0.3366, 0.3372

## Tritanomaly

79.5764, 0.3249, 0.3230

# Monochromacy



## Original Color

79.7543, 0.3339, 0.3434

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

79.8627, 0.3201, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.7543, 0.3339, 0.3434 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(245, 228, 214)` looks like.

```
.text, #text, p{  
    color:rgb(245, 228, 214)  
}
```

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(245, 228, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 228, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 79.7543, 0.3339, 0.3434 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(245, 228, 214) }
```

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

```
.border{ border-color:rgb(245, 228, 214) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(245, 228, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 228, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 228, 214);  
box-shadow:4px 4px 4px 4px rgb(245, 228,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.7543, 0.3339, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 228, 214) }
```

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

```
.background{ background-color: rgb(245,  
228, 214) }
```

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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