

# Converting Colors

$Y_{xy}(82.0699, 0.3470, 0.3624)$

Have a look what the booklet for  
Yxy(82.0699, 0.3470, 0.3624)  
contains.

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# Color

**Yxy(82.1607, 0.3470, 0.3627)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAE8C7
RGB	250, 232, 199
RGB Percent	98%, 91%, 78%
CMY	0.0194, 0.0902, 0.2195
CMYK	0.00, 0.07, 0.20, 0.02
HSL	39°, 84%, 88%
HSV	39°, 20%, 98%
XYZ	78.6043, 82.1607, 65.7603
YIQ	233.6200, 21.3210, -6.4470

# Conversions

## Conversions Part 2

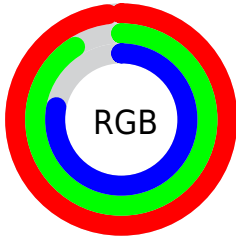
Format	Color
RYB	227, 250, 199
Decimal	16443591
CIELab	92.65, 1.02, 18.26
CIELCh	93, 18.293, 86.794
Yxy	82.1607, 0.3470, 0.3627
Android (android.graphics.Color)	4294633671 (0xFFFAE8C7)
YUV	233.6200, -17.0677, 14.3653
Hunter-Lab	90.6425, -3.8311, 20.4355

# Details

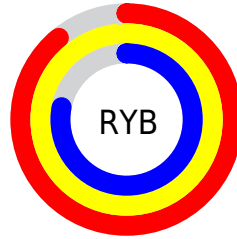
The Yxy color  $82.1607, 0.3470, 0.3627$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $68.7175, 0.2798, 0.2928$ , and the grayscale version is  $82.1037, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $44.4325, 0.3547, 0.3697$  is the 20% darker color. If you saturate the color by 10%, you get  $76.2393, 0.3664, 0.3800$ , and if you desaturate by 10%, it is  $88.5312, 0.3293, 0.3458$ .

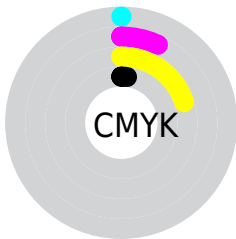
# Distribution



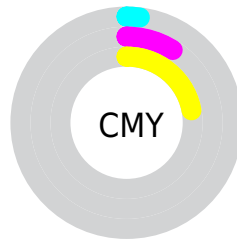
- Red (98%)
- Green (91%)
- Blue (78%)



- Red (89%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (7%)
- Yellow (20%)
- Black (2%)




- Cyan (2%)
- Magenta (9%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1607, 0.3470, 0.3627 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 82.1607, 0.3470, 0.3627 by changing the saturation by 10% instead.



 82.1607, 0.3470,  
0.3627

 82.1607, 0.3470,  
0.3627


502.1851, 0.3315,  
0.3475

 61.4980, 0.3505,  
0.3661

136.3993, 0.3417,  
0.3575

 44.6272, 0.3547,  
0.3702


170.7441, 0.3396,  
0.3555

 31.1639, 0.3599,  
0.3753


210.4183, 0.3378,  
0.3537

 20.7237, 0.3667,  
0.3818

255.8063, 0.3362,  
0.3521

 12.9222, 0.3757,  
0.3905

307.2926, 0.3348,  
0.3508

 7.3750, 0.3880,  
0.4023

365.2616, 0.3336,

 3.6977, 0.4060,

0.3496

0.4194

430.0976, 0.3325,  
0.3485

■ 1.5059, 0.4556,  
0.4676

■ 0.2929, 0.5088,  
0.4912

■ 82.1607, 0.3470,  
0.3627

■ 82.1607, 0.3470,  
0.3627

■ 76.2393, 0.3664,  
0.3800

■ 88.5312, 0.3293,  
0.3458

■ 70.7430, 0.3872,  
0.3970

■ 95.3521, 0.3133,  
0.3296

■ 65.6616, 0.4089,  
0.4130

■ 99.0729, 0.3097,  
0.3290

■ 60.9803, 0.4309,  
0.4268

■ 56.6828, 0.4521,  
0.4373

■ 52.7509, 0.4715,  
0.4434

■ 49.1636, 0.4879,  
0.4443

■ 46.0157, 0.5007,  
0.4407

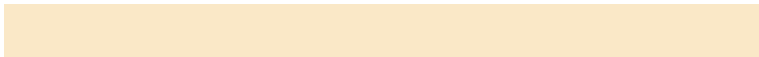
# Harmonies

## Analogous

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



82.1607, 0.3546, 0.3501



82.1607, 0.3470, 0.3627



82.1607, 0.3302, 0.3664

# Triad

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



82.1607, 0.3470, 0.3627



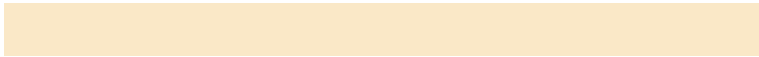
82.1607, 0.2762, 0.3233



82.1607, 0.3153, 0.3012

# Complementary

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



82.1607, 0.3470, 0.3627



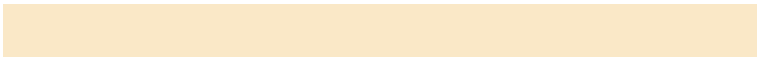
68.7175, 0.2798, 0.2928

# Split Complementary

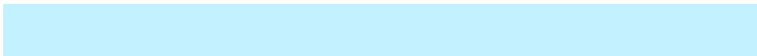
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1607, 0.2945, 0.2941



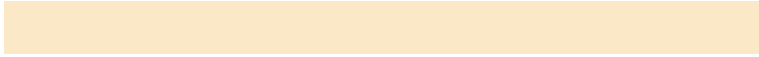
82.1607, 0.3470, 0.3627



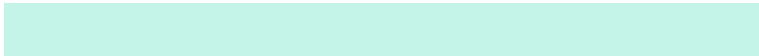
82.1607, 0.2725, 0.3059

# Square

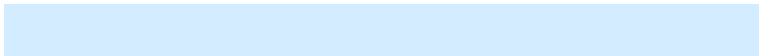
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1607, 0.3470, 0.3627



82.1607, 0.2894, 0.3431



82.1607, 0.2791, 0.2955

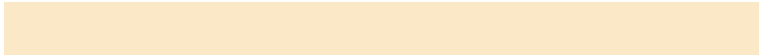


82.1607, 0.3360, 0.3152

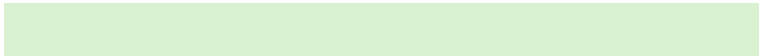


# Rectangle

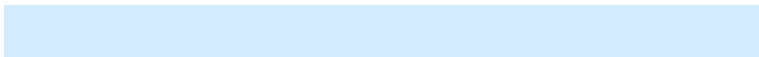
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1607, 0.3470, 0.3627



82.1607, 0.3162, 0.3628



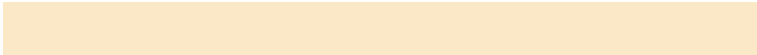
82.1607, 0.2791, 0.2955



82.1607, 0.3081, 0.2980

# Sweetspot

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



82.1644, 0.3470, 0.3627



95.6470, 0.3221, 0.3386



66.2374, 0.3390, 0.3098



20.3732, 0.3231, 0.3396



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.



82.1644, 0.3470, 0.3627



83.6166, 0.3538, 0.3689



91.6241, 0.3390, 0.3808



19.0965, 0.3278, 0.3443



24.6787, 0.4990, 0.4420



2.4852, 0.4870, 0.4515



# Inverse Universe

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



68.7175, 0.2798, 0.2928



67.4983, 0.2735, 0.2855



60.8585, 0.2831, 0.2731



17.6480, 0.2979, 0.3132



7.6499, 0.1648, 0.1131

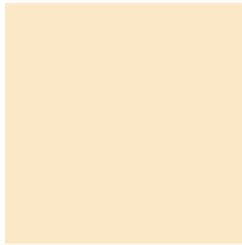


0.9000, 0.1713, 0.1367



# Previews

## White Background



This preview shows how the Yxy color 82.1607, 0.3470, 0.3627 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 82.1607, 0.3470, 0.3627 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

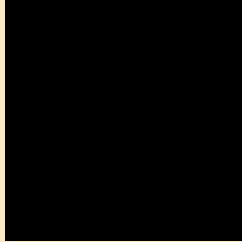
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

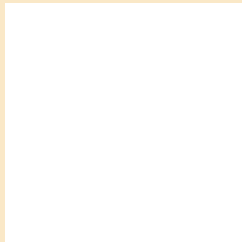
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.1607, 0.3470, 0.3627**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1607, 0.3470, 0.3627.

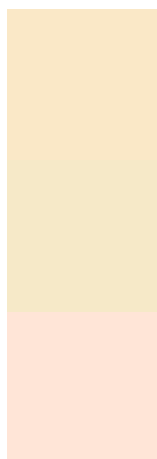


This preview shows how white text looks on a background with the Yxy color 82.1607, 0.3470, 0.3627.

# 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

82.1607, 0.3470, 0.3627

### Protanopia

82.0408, 0.3432, 0.3630

### Deuteranopia

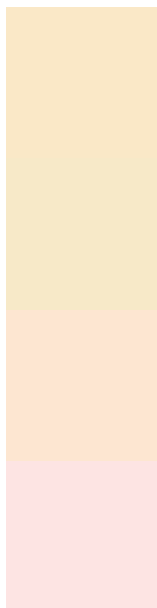
82.2049, 0.3403, 0.3431



## Tritanopia

82.1238, 0.3218, 0.3123

# Trichromacy



## Original Color

82.1607, 0.3470, 0.3627

## Protanomaly

82.2221, 0.3439, 0.3629

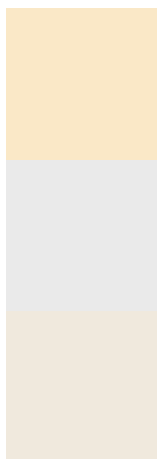
## Deuteranomaly

82.0797, 0.3427, 0.3503

## Tritanomaly

81.9155, 0.3309, 0.3301

# Monochromacy



## Original Color

82.1607, 0.3470, 0.3627

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.0235, 0.3252, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1607, 0.3470, 0.3627 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(250, 232, 199)` looks like.

```
.text, #text, p{  
    color:rgb(250, 232, 199)  
}
```

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(250, 232, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 232, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1607, 0.3470, 0.3627 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(250, 232, 199) }
```

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

```
.border{ border-color:rgb(250, 232, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 232, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 232, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 232, 199);  
box-shadow:4px 4px 4px 4px rgb(250, 232,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1607, 0.3470, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 232, 199) }
```

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

```
.background{ background-color: rgb(250,  
232, 199) }
```

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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