

# Converting Colors

$Yxy(82.0293, 0.3422, 0.3577)$

Have a look what the booklet for  
Yxy(82.0293, 0.3422, 0.3577)  
contains.

<b>Yxy(82.0293, 0.3422, 0.3577)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(82.0293, 0.3422, 0.3577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8E8CC
RGB	248, 232, 204
RGB Percent	97%, 91%, 80%
CMY	0.0273, 0.0902, 0.2000
CMYK	0.00, 0.06, 0.18, 0.03
HSL	38°, 76%, 89%
HSV	38°, 18%, 97%
XYZ	78.4748, 82.0293, 68.8202
YIQ	233.5920, 18.5240, -5.3160

# Conversions

## Conversions Part 2

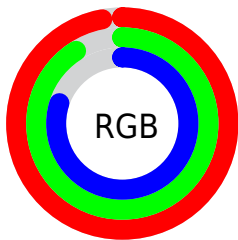
Format	Color
R <sub>Y</sub> B	229, 248, 204
Decimal	16312524
CIE Lab	92.59, 1.02, 15.58
CIE LCh	93, 15.615, 86.273
Yxy	82.0293, 0.3422, 0.3577
Android (android.graphics.Color)	4294502604 (0xFFFF8E8CC)
YUV	233.5920, -14.5889, 12.6358
Hunter-Lab	90.5700, -3.8355, 18.3471

# Details

The Yxy color **82.0293, 0.3422, 0.3577** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.8191, 0.2843, 0.2985**, and the grayscale version is **82.0614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3290, 0.3485, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **75.9811, 0.3612, 0.3747**, and if you desaturate by 10%, it is **88.5357, 0.3249, 0.3412**.

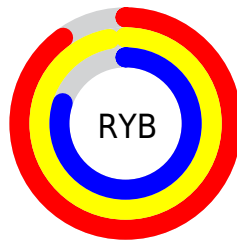
# Distribution



Red (97%)

Green (91%)

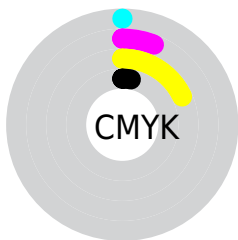
Blue (80%)



Red (90%)

Yellow (97%)

Blue (80%)

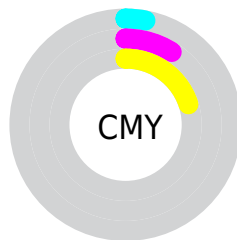


Cyan (0%)

Magenta (6%)

Yellow (18%)

Black (3%)



Cyan (3%)

Magenta (9%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0293, 0.3422, 0.3577 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 82.0293, 0.3422, 0.3577 by changing the saturation by 10% instead.




 82.0293, 0.3422,  
0.3577

 82.0293, 0.3422,  
0.3577

501.7457, 0.3288,  
0.3447

 61.3897, 0.3452,  
0.3606

136.2151, 0.3376,  
0.3533

 44.5397, 0.3488,  
0.3641


170.5301, 0.3358,  
0.3515

 31.0950, 0.3534,  
0.3685


210.1723, 0.3343,  
0.3500

 20.6712, 0.3593,  
0.3741

255.5261, 0.3329,  
0.3487

 12.8839, 0.3671,  
0.3816

306.9760, 0.3317,  
0.3475

 7.3486, 0.3779,  
0.3919

364.9063, 0.3306,

 3.6811, 0.3940,

0.3465

0.4070

429.7014, 0.3297,  
0.3456

■ 1.4968, 0.4310,  
0.4425

■ 0.2865, 0.5091,  
0.4909

■ 82.0293, 0.3422,  
0.3577

■ 82.0293, 0.3422,  
0.3577

■ 75.9811, 0.3612,  
0.3747

■ 88.5357, 0.3249,  
0.3412

■ 70.3673, 0.3819,  
0.3916

■ 95.5014, 0.3094,  
0.3256

■ 65.1779, 0.4037,  
0.4077

■ 98.7023, 0.3084,  
0.3290

■ 60.3982, 0.4260,  
0.4220

■ 56.0124, 0.4480,  
0.4333

■ 52.0028, 0.4684,  
0.4405

■ 48.3492, 0.4861,  
0.4426

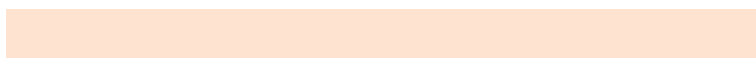
■ 45.0261, 0.5005,  
0.4395

■ 44.3178, 0.5035,  
0.4384

# Harmonies

## Analogous

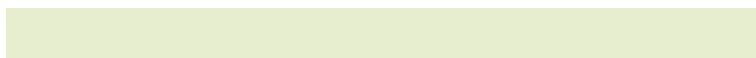
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0293, 0.3485, 0.3470



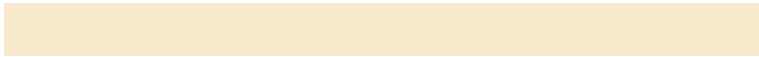
82.0293, 0.3422, 0.3577



82.0293, 0.3280, 0.3608

# Triad

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



82.0293, 0.3422, 0.3577



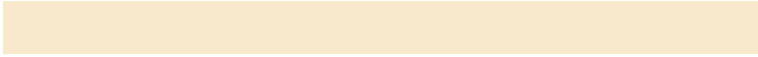
82.0293, 0.2816, 0.3245



82.0293, 0.3147, 0.3050

# Complementary

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



82.0293, 0.3422, 0.3577



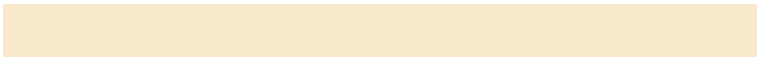
70.8191, 0.2843, 0.2985

# Split Complementary

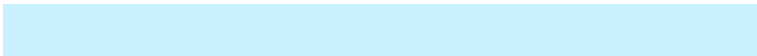
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0293, 0.2969, 0.2989



82.0293, 0.3422, 0.3577



82.0293, 0.2782, 0.3096

# Square

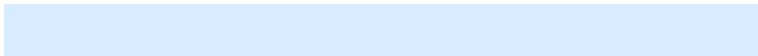
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0293, 0.3422, 0.3577



82.0293, 0.2931, 0.3413



82.0293, 0.2837, 0.3005



82.0293, 0.3323, 0.3169



# Rectangle

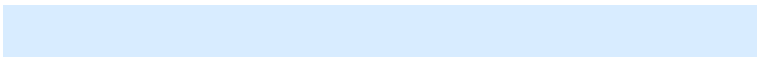
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0293, 0.3422, 0.3577



82.0293, 0.3161, 0.3578



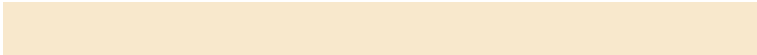
82.0293, 0.2837, 0.3005



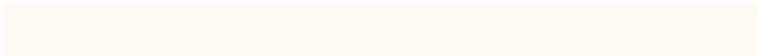
82.0293, 0.3085, 0.3022

# Sweetspot

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



82.0330, 0.3422, 0.3577



96.2792, 0.3205, 0.3368



68.3210, 0.3349, 0.3124



20.4979, 0.3216, 0.3380



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

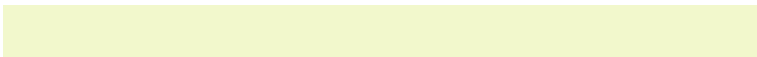
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0330, 0.3422, 0.3577



85.2016, 0.3482, 0.3632



90.4196, 0.3355, 0.3738



19.0656, 0.3278, 0.3440



24.2099, 0.5018, 0.4398



2.4439, 0.4893, 0.4497



# Inverse Universe

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



70.8191, 0.2843, 0.2985



71.3865, 0.2788, 0.2922



63.6453, 0.2874, 0.2811



17.6778, 0.2979, 0.3135



7.8823, 0.1655, 0.1158

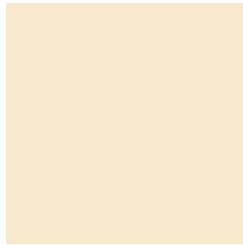


0.9239, 0.1721, 0.1394



# Previews

## White Background



This preview shows how the Yxy color 82.0293, 0.3422, 0.3577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

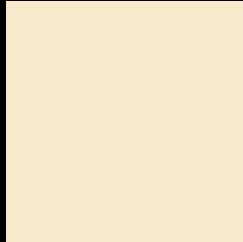
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0293, 0.3422, 0.3577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

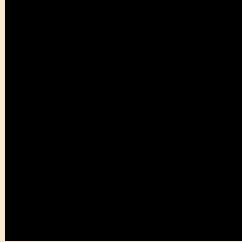
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

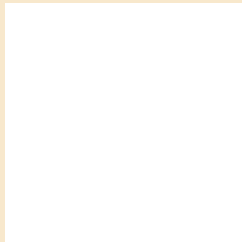
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.0293, 0.3422, 0.3577**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0293, 0.3422, 0.3577.

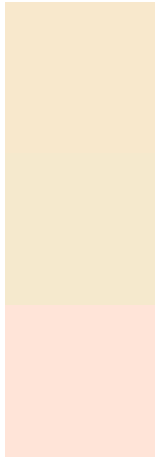


This preview shows how white text looks on a background with the Yxy color 82.0293, 0.3422, 0.3577.

# 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

82.0293, 0.3422, 0.3577

### Protanopia

82.0981, 0.3392, 0.3579

### Deuteranopia

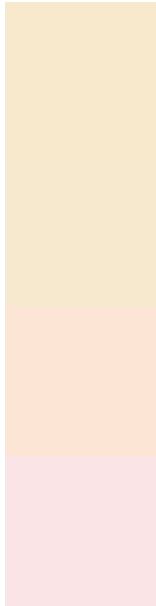
81.7047, 0.3397, 0.3411



## Tritanopia

81.8070, 0.3198, 0.3113

# Trichromacy



## Original Color

82.0293, 0.3422, 0.3577

## Protanomaly

82.2784, 0.3399, 0.3578

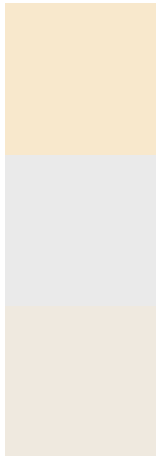
## Deuteranomaly

81.4875, 0.3401, 0.3463

## Tritanomaly

81.6532, 0.3281, 0.3280

# Monochromacy



## Original Color

82.0293, 0.3422, 0.3577

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.9563, 0.3232, 0.3393

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0293, 0.3422, 0.3577 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(248, 232, 204)` looks like.

```
.text, #text, p{  
    color:rgb(248, 232, 204)  
}
```

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(248, 232, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 232, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0293, 0.3422, 0.3577 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(248, 232, 204) }
```

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

```
.border{ border-color:rgb(248, 232, 204) }
```

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

Here you see how a box with a 4 pixel rgb(248, 232, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 232, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 232, 204);  
box-shadow:4px 4px 4px 4px rgb(248, 232,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0293, 0.3422, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 232, 204) }
```

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

```
.background{ background-color: rgb(248,  
232, 204) }
```

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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