

Converting Colors

$Y_{xy}(84.4721, 0.3412, 0.3599)$

Have a look what the booklet for
Yxy(84.4721, 0.3412, 0.3599)
contains.

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Color

Yxy(84.5384, 0.3415, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	F9ECCD
RGB	249, 236, 205
RGB Percent	98%, 93%, 80%
CMY	0.0236, 0.0745, 0.1959
CMYK	0.00, 0.05, 0.18, 0.02
HSL	42°, 79%, 89%
HSV	42°, 18%, 98%
XYZ	80.0828, 84.5384, 69.8820
YIQ	236.3530, 17.6990, -6.8850

Conversions

Conversions Part 2

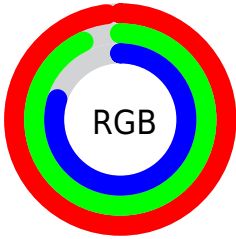
Format	Color
R _Y B	223, 249, 205
Decimal	16379085
CIE Lab	93.68, -0.53, 16.59
CIE LCh	94, 16.602, 91.819
Yxy	84.5384, 0.3415, 0.3605
Android (android.graphics.Color)	4294569165 (0xFFF9ECCD)
YUV	236.3530, -15.4570, 11.0914
Hunter-Lab	91.9448, -5.4319, 19.2984

Details

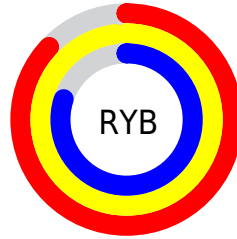
The Yxy color **84.5384, 0.3415, 0.3605** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.9817, 0.2843, 0.2954**, and the grayscale version is **84.2793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0833, 0.3475, 0.3669** is the 20% darker color. If you saturate the color by 10%, you get **79.2842, 0.3598, 0.3791**, and if you desaturate by 10%, it is **90.1660, 0.3246, 0.3423**.

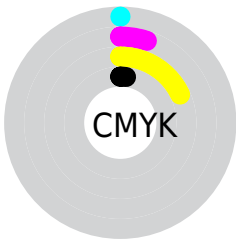
Distribution



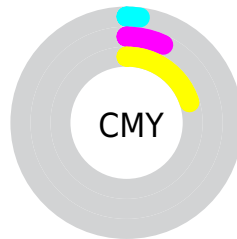
- Red (98%)
- Green (93%)
- Blue (80%)



- Red (87%)
- Yellow (98%)
- Blue (80%)



- Cyan (0%)
- Magenta (5%)
- Yellow (18%)
- Black (2%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5384, 0.3415, 0.3605 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 84.5384, 0.3415, 0.3605 by changing the saturation by 10% instead.


 84.5384, 0.3415,
0.3605

 84.5384, 0.3415,
0.3605


510.0994, 0.3286,
0.3463

 63.4600, 0.3444,
0.3636


139.7281, 0.3371,
0.3557

 46.2135, 0.3479,
0.3675


174.6082, 0.3353,
0.3537

 32.4143, 0.3522,
0.3723


214.8576, 0.3338,
0.3521

 21.6782, 0.3578,
0.3784

260.8609, 0.3325,
0.3506

 13.6206, 0.3651,
0.3865

313.0023, 0.3313,
0.3494

 7.8573, 0.3753,
0.3977

371.6662, 0.3303,

 4.0038, 0.3900,

0.3482

0.4141

437.2372, 0.3294,
0.3472

1.6757, 0.4208,
0.4483

0.4078, 0.4789,
0.5211

84.5384, 0.3415,
0.3605

84.5384, 0.3415,
0.3605

79.2842, 0.3598,
0.3791

90.1660, 0.3246,
0.3423

74.3810, 0.3792,
0.3976

96.1661, 0.3092,
0.3250

69.8206, 0.3993,
0.4152

98.8777, 0.3090,
0.3290

65.5903, 0.4194,
0.4309

■ 61.6760, 0.4387,
0.4435

■ 58.0621, 0.4561,
0.4520

■ 54.7303, 0.4707,
0.4555

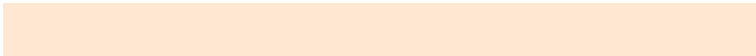
■ 51.6573, 0.4822,
0.4541

■ 50.9647, 0.4846,
0.4534

Harmonies

Analogous

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



84.5384, 0.3499, 0.3504



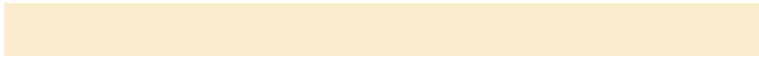
84.5384, 0.3415, 0.3605



84.5384, 0.3254, 0.3621

Triad

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



84.5384, 0.3415, 0.3605



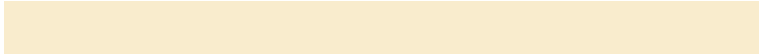
84.5384, 0.2786, 0.3210



84.5384, 0.3184, 0.3057

Complementary

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



84.5384, 0.3415, 0.3605



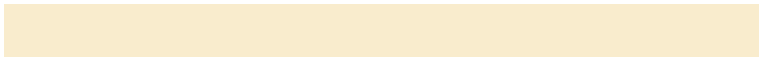
69.9817, 0.2843, 0.2954

Split Complementary

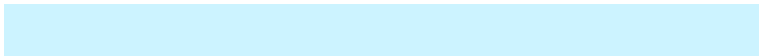
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5384, 0.2993, 0.2980



84.5384, 0.3415, 0.3605



84.5384, 0.2768, 0.3062

Square

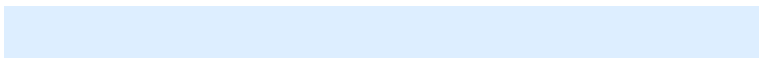
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5384, 0.3415, 0.3605



84.5384, 0.2893, 0.3388



84.5384, 0.2842, 0.2981



84.5384, 0.3364, 0.3191

Rectangle

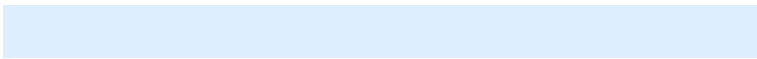
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5384, 0.3415, 0.3605



84.5384, 0.3127, 0.3578



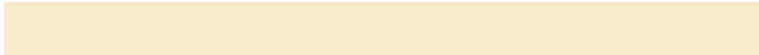
84.5384, 0.2842, 0.2981



84.5384, 0.3119, 0.3024

Sweetspot

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



84.5422, 0.3415, 0.3605



96.8260, 0.3204, 0.3377



68.8960, 0.3370, 0.3155



20.6310, 0.3215, 0.3389



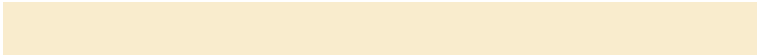
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.5422, 0.3415, 0.3605



87.3364, 0.3475, 0.3668



90.7146, 0.3334, 0.3739



19.2739, 0.3276, 0.3456



27.5422, 0.4833, 0.4544



2.7349, 0.4738, 0.4620

Inverse Universe

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



69.9817, 0.2843, 0.2954



69.4653, 0.2785, 0.2881



64.7945, 0.2896, 0.2817



17.4786, 0.2979, 0.3118



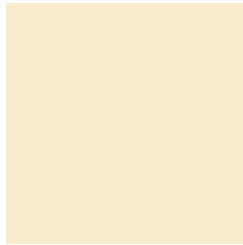
6.4652, 0.1607, 0.0984



0.7743, 0.1671, 0.1214

Previews

White Background



This preview shows how the Yxy color 84.5384, 0.3415, 0.3605 looks on a white background.

Color Contrast Check

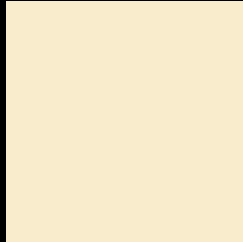
Large Text (above 18pt) WCAG AA × Fail

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 84.5384, 0.3415, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

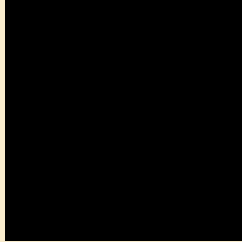
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5384, 0.3415, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 84.5384, 0.3415, 0.3605.

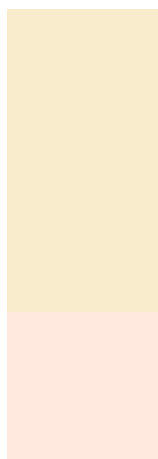


This preview shows how white text looks on a background with the Yxy color 84.5384, 0.3415, 0.3605.

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

84.5384, 0.3415, 0.3605

Protanopia

84.3551, 0.3408, 0.3606

Deuteranopia

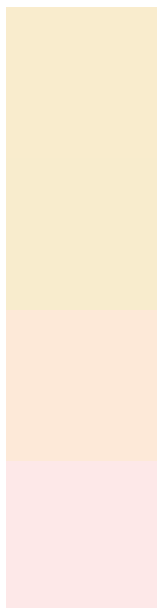
84.2472, 0.3351, 0.3390



Tritanopia

84.6309, 0.3183, 0.3115

Trichromacy



Original Color

84.5384, 0.3415, 0.3605

Protanomaly

84.3551, 0.3408, 0.3606

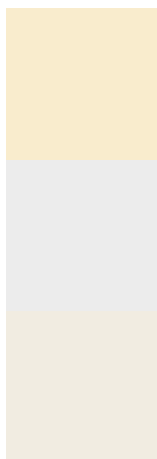
Deuteranomaly

84.1183, 0.3376, 0.3461

Tritanomaly

84.4221, 0.3271, 0.3290

Monochromacy



Original Color

84.5384, 0.3415, 0.3605

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.1279, 0.3230, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5384, 0.3415, 0.3605 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(249, 236, 205)` looks like.

```
.text, #text, p{  
    color:rgb(249, 236, 205)  
}
```

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(249, 236, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 236, 205) }
```

Border

The CSS property to change the border of an element to Yxy 84.5384, 0.3415, 0.3605 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(249, 236, 205) }
```

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

```
.border{ border-color:rgb(249, 236, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 236, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 236, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 236, 205); box-shadow:4px 4px 4px 4px rgb(249, 236, 205) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5384, 0.3415, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 236, 205) }
```

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

```
.background{ background-color: rgb(249,  
236, 205) }
```

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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