

Converting Colors

$Y_{xy}(134.9741, 0.4544, 0.3545)$

Have a look what the booklet for
Yxy(134.9741, 0.4544, 0.3545)
contains.

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Color

Yxy(89.0285, 0.3466, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2CA
RGB	255, 242, 202
RGB Percent	100%, 95%, 79%
CMY	0.0001, 0.0509, 0.2078
CMYK	0.00, 0.05, 0.21, 0.00
HSL	45°, 100%, 90%
HSV	45°, 21%, 100%
XYZ	83.6467, 89.0285, 68.6598
YIQ	241.3270, 20.5880, -9.6840

Conversions

Conversions Part 2

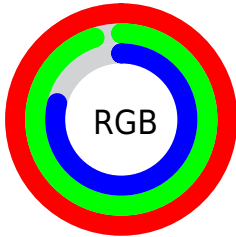
Format	Color
R _Y B	219, 255, 202
Decimal	16773834
CIE Lab	95.59, -1.85, 20.90
CIE LCh	96, 20.977, 95.057
Yxy	89.0285, 0.3466, 0.3689
Android (android.graphics.Color)	4294963914 (0xFFFFF2CA)
YUV	241.3270, -19.3882, 11.9912
Hunter-Lab	94.3549, -6.8788, 22.9045

Details

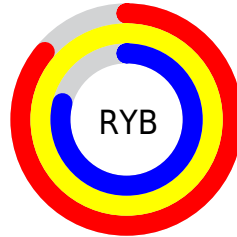
The Yxy color **89.0285, 0.3466, 0.3689** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.3645, 0.2787, 0.2856**, and the grayscale version is **88.3783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2617, 0.3538, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **84.2710, 0.3647, 0.3888**, and if you desaturate by 10%, it is **94.1203, 0.3296, 0.3493**.

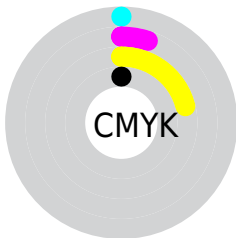
Distribution



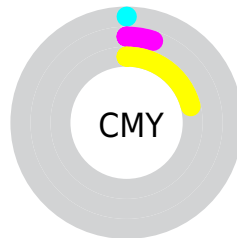
- Red (100%)
- Green (95%)
- Blue (79%)



- Red (86%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0285, 0.3466, 0.3689 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 89.0285, 0.3466, 0.3689 by changing the saturation by 10% instead.


 89.0285, 0.3466,
0.3689

 89.0285, 0.3466,
0.3689


524.8655, 0.3316,
0.3511

 67.1752, 0.3499,
0.3728

145.9882, 0.3415,
0.3628

 49.2270, 0.3539,
0.3776


181.8634, 0.3395,
0.3604

 34.7996, 0.3588,
0.3835


223.1813, 0.3377,
0.3584

 23.5085, 0.3650,
0.3910

270.3263, 0.3362,
0.3565

 14.9695, 0.3730,
0.4008

323.6828, 0.3348,
0.3549

 8.7979, 0.3839,
0.4141

383.6353, 0.3336,

 4.6096, 0.3991,

0.3535

0.4331

450.5680, 0.3325,
0.3522

■ 2.0201, 0.4304,
0.4718

■ 0.6191, 0.4674,
0.5326

■ 89.0285, 0.3466,
0.3689

■ 89.0285, 0.3466,
0.3689

■ 84.2710, 0.3647,
0.3888

■ 94.1203, 0.3296,
0.3493

■ 79.8248, 0.3835,
0.4082

■ 99.5447, 0.3139,
0.3304

■ 75.6820, 0.4024,
0.4263

■ 99.9952, 0.3127,
0.3290

■ 71.8295, 0.4206,
0.4420

■ 68.2532, 0.4374,
0.4542

■ 64.9367, 0.4519,
0.4620

■ 61.8607, 0.4634,
0.4649

■ 59.2081, 0.4716,
0.4638

Harmonies

Analogous

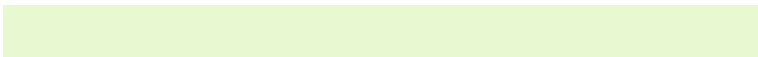
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0285, 0.3584, 0.3571



89.0285, 0.3466, 0.3689



89.0285, 0.3258, 0.3699

Triad

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



89.0285, 0.3466, 0.3689



89.0285, 0.2698, 0.3166



89.0285, 0.3222, 0.3018

Complementary

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



89.0285, 0.3466, 0.3689



68.3645, 0.2787, 0.2856

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.



89.0285, 0.2984, 0.2915



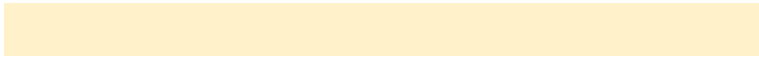
89.0285, 0.3466, 0.3689



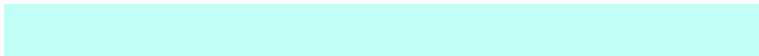
89.0285, 0.2689, 0.2991

Square

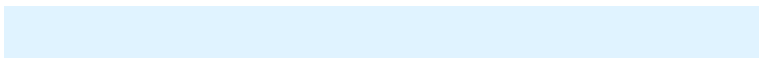
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.0285, 0.3466, 0.3689



89.0285, 0.2818, 0.3387



89.0285, 0.2791, 0.2903



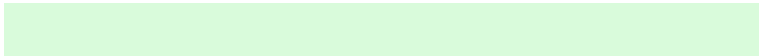
89.0285, 0.3442, 0.3187

Rectangle

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



89.0285, 0.3466, 0.3689



89.0285, 0.3099, 0.3637



89.0285, 0.2791, 0.2903



89.0285, 0.3141, 0.2975

Sweetspot

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



89.0325, 0.3466, 0.3689



96.6877, 0.3219, 0.3402



68.4219, 0.3443, 0.3156



20.6196, 0.3230, 0.3414



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

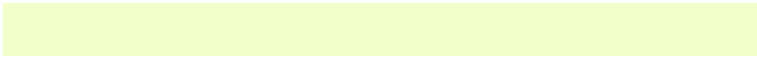
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0325, 0.3466, 0.3689



86.9995, 0.3541, 0.3773



94.5988, 0.3354, 0.3825



20.2933, 0.3275, 0.3469



31.1910, 0.4705, 0.4646



3.2077, 0.4634, 0.4702

Inverse Universe

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



68.3645, 0.2787, 0.2856



62.8823, 0.2711, 0.2755



63.9513, 0.2867, 0.2726



18.0996, 0.2979, 0.3105



5.7899, 0.1576, 0.0874



0.7262, 0.1634, 0.1081

Previews

White Background



This preview shows how the Yxy color 89.0285, 0.3466, 0.3689 looks on a white background.

Color Contrast Check

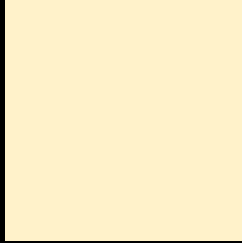
Large Text (above 18pt) WCAG AA × Fail

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 89.0285, 0.3466, 0.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

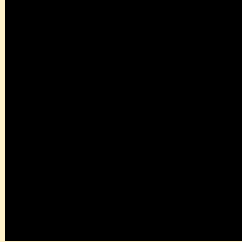
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.0285, 0.3466, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 89.0285, 0.3466, 0.3689.



This preview shows how white text looks on a background with the Yxy color 89.0285, 0.3466, 0.3689.

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

89.0285, 0.3466, 0.3689

Protanopia

89.1720, 0.3447, 0.3659

Deuteranopia

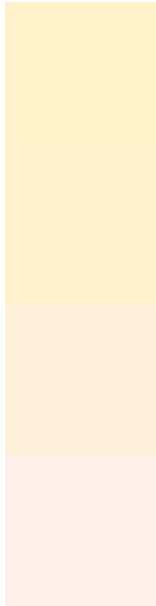
88.7625, 0.3284, 0.3369



Tritanopia

89.2486, 0.3172, 0.3184

Trichromacy



Original Color

89.0285, 0.3466, 0.3689

Protanomaly

89.1239, 0.3453, 0.3669

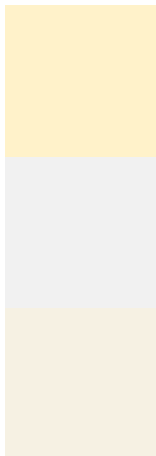
Deuteranomaly

88.7475, 0.3354, 0.3488

Tritanomaly

88.8192, 0.3278, 0.3359

Monochromacy



Original Color

89.0285, 0.3466, 0.3689

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.0495, 0.3247, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0285, 0.3466, 0.3689 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, 242, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 202)  
}
```

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, 242, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 202) }
```

Border

The CSS property to change the border of an element to Yxy 89.0285, 0.3466, 0.3689 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, 242, 202) }
```

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

```
.border{ border-color:rgb(255, 242, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0285, 0.3466, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 202) }
```

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

```
.background{ background-color: rgb(255,  
242, 202) }
```

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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