

Converting Colors

$Y_{xy}(102.5031, 0.3813, 0.3630)$

Have a look what the booklet for
Yxy(102.5031, 0.3813, 0.3630)
contains.

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Color

Yxy(91.0210, 0.3435, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5CE
RGB	255, 245, 206
RGB Percent	100%, 96%, 81%
CMY	0.0001, 0.0392, 0.1921
CMYK	0.00, 0.04, 0.19, 0.00
HSL	48°, 100%, 90%
HSV	48°, 19%, 100%
XYZ	85.0305, 91.0210, 71.4900
YIQ	243.5440, 18.4790, -10.0090

Conversions

Conversions Part 2

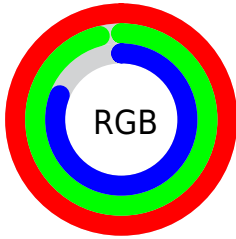
Format	Color
R _Y B	219, 255, 206
Decimal	16774606
CIE Lab	96.42, -2.78, 20.00
CIE LCh	96, 20.188, 97.925
Yxy	91.0210, 0.3435, 0.3677
Android (android.graphics.Color)	4294964686 (0xFFFFF5CE)
YUV	243.5440, -18.5092, 10.0469
Hunter-Lab	95.4049, -7.8689, 22.3555

Details

The Yxy color **91.0210, 0.3435, 0.3677** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.4524, 0.2813, 0.2871**, and the grayscale version is **90.2252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6680, 0.3497, 0.3758** is the 20% darker color. If you saturate the color by 10%, you get **86.7850, 0.3610, 0.3885**, and if you desaturate by 10%, it is **95.5545, 0.3269, 0.3472**.

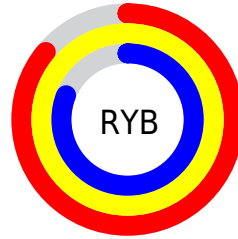
Distribution



Red (100%)

Green (96%)

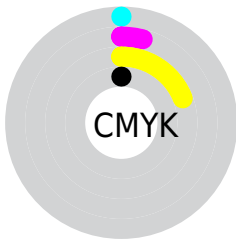
Blue (81%)



Red (86%)

Yellow (100%)

Blue (81%)

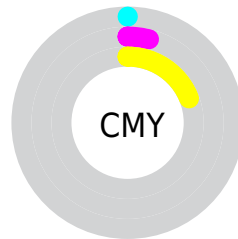


Cyan (0%)

Magenta (4%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.0210, 0.3435, 0.3677 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 91.0210, 0.3435, 0.3677 by changing the saturation by 10% instead.


 91.0210, 0.3435,
0.3677

 91.0210, 0.3435,
0.3677

531.3466, 0.3299,
0.3504

 68.8278, 0.3465,
0.3715


148.7558, 0.3389,
0.3618

 50.5715, 0.3500,
0.3761


185.0662, 0.3371,
0.3595

 35.8677, 0.3544,
0.3818


226.8510, 0.3355,
0.3575

 24.3320, 0.3600,
0.3891

274.4948, 0.3341,
0.3557

 15.5801, 0.3672,
0.3986

328.3818, 0.3329,
0.3542

 9.2275, 0.3769,
0.4115

388.8965, 0.3318,

 4.8899, 0.3903,

0.3528

0.4300

456.4233, 0.3308,
0.3516

■ 2.1828, 0.4141,
0.4627

■ 0.7106, 0.4609,
0.5391

■ 91.0210, 0.3435,
0.3677

■ 91.0210, 0.3435,
0.3677

■ 86.7850, 0.3610,
0.3885

■ 95.5545, 0.3269,
0.3472

■ 82.8238, 0.3790,
0.4089

99.9973, 0.3127,
0.3290

■ 79.1303, 0.3969,
0.4281

■ 75.6923, 0.4141,
0.4449

■ 72.4963, 0.4297,
0.4583

■ 69.5269, 0.4430,
0.4675

■ 66.7660, 0.4534,
0.4719

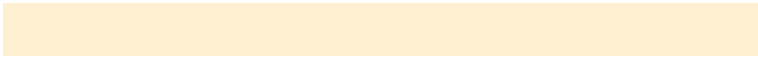
■ 64.1867, 0.4610,
0.4718

■ 63.9867, 0.4615,
0.4717

Harmonies

Analogous

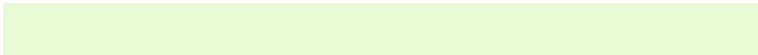
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0210, 0.3558, 0.3573



91.0210, 0.3435, 0.3677



91.0210, 0.3231, 0.3675

Triad

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



91.0210, 0.3435, 0.3677



91.0210, 0.2711, 0.3153



91.0210, 0.3240, 0.3043

Complementary

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



91.0210, 0.3435, 0.3677



69.4524, 0.2813, 0.2871

Split Complementary

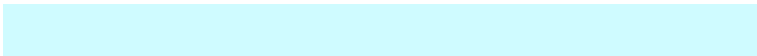
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.0210, 0.3011, 0.2937



91.0210, 0.3435, 0.3677



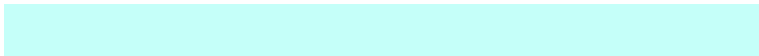
91.0210, 0.2712, 0.2992

Square

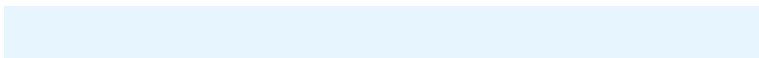
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.0210, 0.3435, 0.3677



91.0210, 0.2816, 0.3362



91.0210, 0.2820, 0.2917



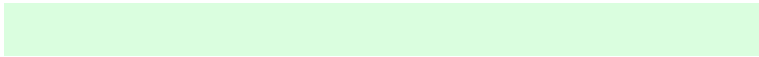
91.0210, 0.3444, 0.3210

Rectangle

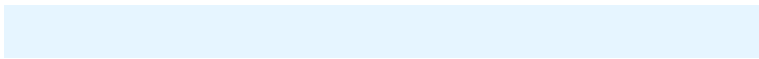
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.0210, 0.3435, 0.3677



91.0210, 0.3079, 0.3608



91.0210, 0.2820, 0.2917



91.0210, 0.3163, 0.2999

Sweetspot

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



91.0251, 0.3435, 0.3677



97.0807, 0.3219, 0.3408



70.3990, 0.3427, 0.3183



20.7127, 0.3229, 0.3421



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

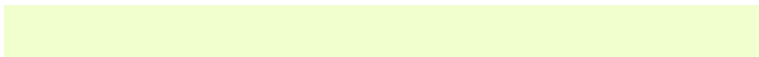
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.0251, 0.3435, 0.3677



89.3933, 0.3500, 0.3756



94.6886, 0.3326, 0.3785



20.4251, 0.3274, 0.3478



33.6583, 0.4607, 0.4724



3.4285, 0.4551, 0.4769

Inverse Universe

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



69.4524, 0.2813, 0.2871



64.2604, 0.2745, 0.2776



66.5692, 0.2901, 0.2774



17.9770, 0.2979, 0.3095



5.2213, 0.1556, 0.0800



0.6549, 0.1609, 0.0992

Previews

White Background



This preview shows how the Yxy color 91.0210, 0.3435, 0.3677 looks on a white background.

Color Contrast Check

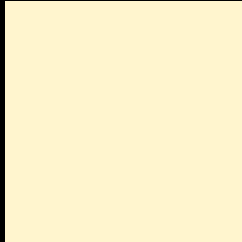
Large Text (above 18pt) WCAG AA × Fail

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 91.0210, 0.3435, 0.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

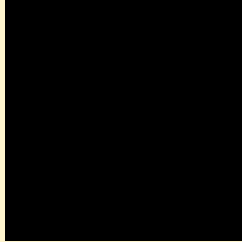
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.0210, 0.3435, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 91.0210, 0.3435, 0.3677.



This preview shows how white text looks on a background with the Yxy color 91.0210, 0.3435, 0.3677.

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

91.0210, 0.3435, 0.3677

Protanopia

90.8677, 0.3380, 0.3577

Deuteranopia

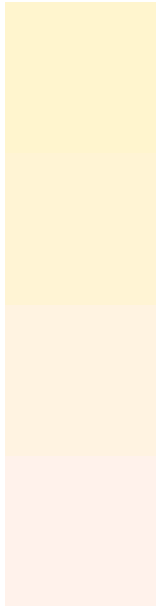
90.8204, 0.3250, 0.3349



Tritanopia

91.1989, 0.3152, 0.3184

Trichromacy



Original Color

91.0210, 0.3435, 0.3677

Protanomaly

90.7148, 0.3399, 0.3607

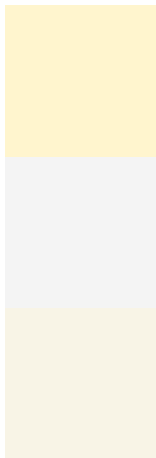
Deuteranomaly

90.7974, 0.3318, 0.3467

Tritanomaly

90.7624, 0.3256, 0.3359

Monochromacy



Original Color

91.0210, 0.3435, 0.3677

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.3710, 0.3239, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.0210, 0.3435, 0.3677 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, 245, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 206)  
}
```

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, 245, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 206) }
```

Border

The CSS property to change the border of an element to Yxy 91.0210, 0.3435, 0.3677 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, 245, 206) }
```

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

```
.border{ border-color:rgb(255, 245, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 91.0210, 0.3435, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 206) }
```

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

```
.background{ background-color: rgb(255,  
245, 206) }
```

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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