

# Converting Colors

$Yxy(92.2217, 0.3382, 0.4003)$

Have a look what the booklet for  
Yxy(92.2217, 0.3382, 0.4003)  
contains.

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# Color

**Yxy(92.2210, 0.3383, 0.4005)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FFBA
RGB	232, 255, 186
RGB Percent	91%, 100%, 73%
CMY	0.0902, 0.0000, 0.2706
CMYK	0.09, 0.00, 0.27, 0.00
HSL	80°, 100%, 86%
HSV	80°, 27%, 100%
XYZ	77.8985, 92.2210, 60.1451
YIQ	240.2570, 8.4410, -26.3350

# Conversions

## Conversions Part 2

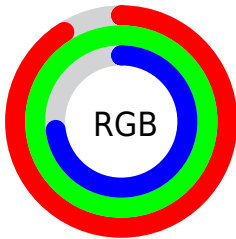
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 255, 209
Decimal	15269818
CIELab	96.91, -18.77, 30.57
CIELCh	97, 35.874, 121.546
Yxy	92.2210, 0.3383, 0.4005
Android (android.graphics.Color)	4293459898 (0xFFE8FFBA)
YUV	240.2570, -26.7487, -7.2414
Hunter-Lab	96.0318, -23.2609, 30.0886

# Details

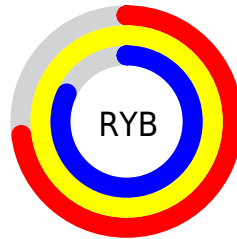
The Yxy color **92.2210, 0.3383, 0.4005** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.8918, 0.2815, 0.2541**, and the grayscale version is **87.5543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **51.2842, 0.3435, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **89.8409, 0.3471, 0.4287**, and if you desaturate by 10%, it is **94.8597, 0.3289, 0.3729**.

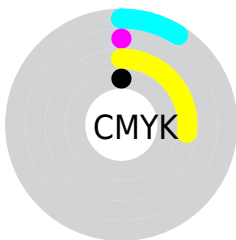
# Distribution



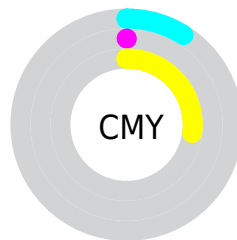
- Red (91%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (82%)



- Cyan (9%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.2210, 0.3383, 0.4005 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 92.2210, 0.3383, 0.4005 by changing the saturation by 10% instead.




 92.2210, 0.3383,  
0.4005

 92.2210, 0.3383,  
0.4005


535.2295, 0.3276,  
0.3679

 69.8242, 0.3404,  
0.4078


 150.4197, 0.3348,  
0.3893

 51.3832, 0.3429,  
0.4167


186.9903, 0.3334,  
0.3849

 36.5137, 0.3459,  
0.4278


229.0544, 0.3322,  
0.3811

 24.8312, 0.3493,  
0.4421

276.9962, 0.3311,  
0.3778

 15.9513, 0.3533,  
0.4609

331.2003, 0.3301,  
0.3749

 9.4897, 0.3575,  
0.4867

392.0509, 0.3292,

 5.0620, 0.3611,

0.3723

0.5237

459.9325, 0.3284,  
0.3700

■ 2.2837, 0.3831,  
0.6169

■ 0.7650, 0.2601,  
0.7399

■ 92.2210, 0.3383,  
0.4005

■ 92.2210, 0.3383,  
0.4005

■ 89.8409, 0.3471,  
0.4287

■ 94.8597, 0.3289,  
0.3729

■ 87.7138, 0.3547,  
0.4565

■ 97.7732, 0.3194,  
0.3466

■ 85.8256, 0.3608,  
0.4828

100.0000, 0.3127,  
0.3290

■ 84.1628, 0.3648,  
0.5063

■ 82.7102, 0.3663,  
0.5257

■ 81.4502, 0.3653,  
0.5402

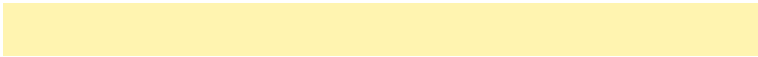
■ 80.3602, 0.3619,  
0.5496

■ 80.0627, 0.3607,  
0.5518

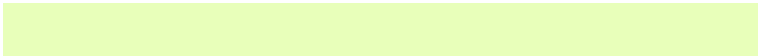
# Harmonies

## Analogous

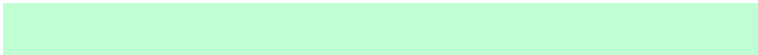
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.2210, 0.3726, 0.3943



92.2210, 0.3383, 0.4005



92.2210, 0.2986, 0.3840

# Triad

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



92.2210, 0.3383, 0.4005



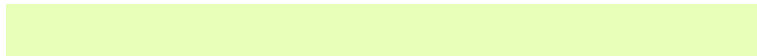
92.2210, 0.2397, 0.2807



92.2210, 0.3621, 0.3078

# Complementary

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



92.2210, 0.3383, 0.4005



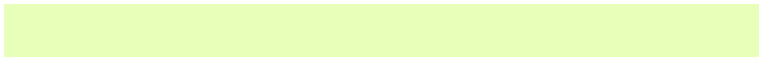
55.8918, 0.2815, 0.2541

# Split Complementary

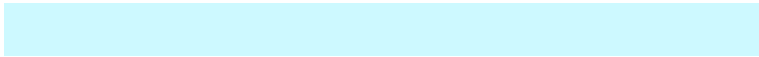
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.2210, 0.3233, 0.2818



92.2210, 0.3383, 0.4005



92.2210, 0.2540, 0.2656

# Square

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



92.2210, 0.3383, 0.4005



92.2210, 0.2432, 0.3108



92.2210, 0.2838, 0.2666



92.2210, 0.3875, 0.3396

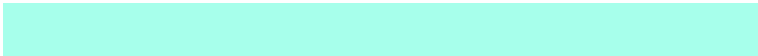


# Rectangle

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



92.2210, 0.3383, 0.4005



92.2210, 0.2744, 0.3623



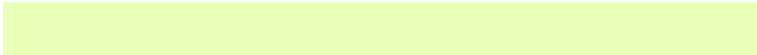
92.2210, 0.2838, 0.2666



92.2210, 0.3500, 0.2982

# Sweetspot

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



92.2191, 0.3383, 0.4005



97.4877, 0.3203, 0.3490



70.4043, 0.3654, 0.3529



20.7696, 0.3217, 0.3528



0.0000, 0.0000, 0.0000

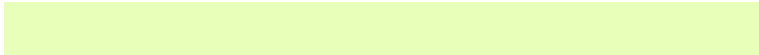


21.4041, 0.3127, 0.3290

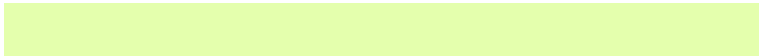


# Same Dimension

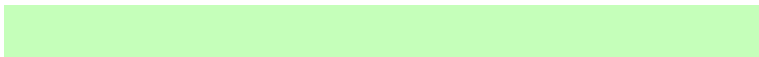
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.2191, 0.3383, 0.4005



91.0123, 0.3427, 0.4144



87.0024, 0.3161, 0.4057



20.7696, 0.3217, 0.3528



41.9195, 0.3616, 0.5511



4.1413, 0.3683, 0.5458



# Inverse Universe

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



55.8918, 0.2815, 0.2541



49.6243, 0.2745, 0.2387



61.4794, 0.3071, 0.2596



17.6719, 0.3031, 0.3048



4.8550, 0.1743, 0.0734

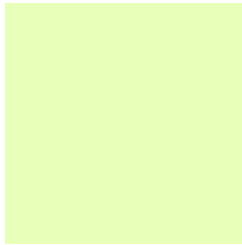


0.5296, 0.1865, 0.0801



# Previews

## White Background



This preview shows how the Yxy color 92.2210, 0.3383, 0.4005 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 92.2210, 0.3383, 0.4005 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

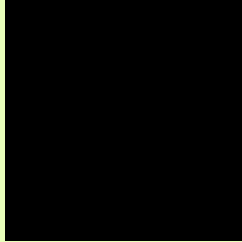
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

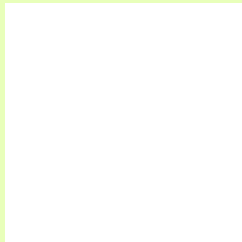
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.2210, 0.3383, 0.4005**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.2210, 0.3383, 0.4005.

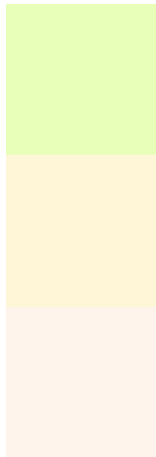


This preview shows how white text looks on a background with the Yxy color 92.2210, 0.3383, 0.4005.

# 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

92.2210, 0.3383, 0.4005

### Protanopia

92.1294, 0.3371, 0.3586

### Deuteranopia

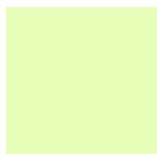
92.0175, 0.3248, 0.3368



## Tritanopia

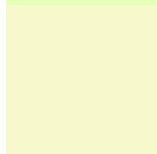
91.7579, 0.3062, 0.3192

# Trichromacy



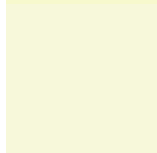
## Original Color

92.2210, 0.3383, 0.4005



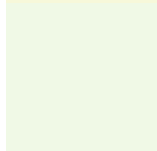
## Protanomaly

91.9333, 0.3380, 0.3733



## Deuteranomaly

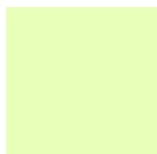
91.9709, 0.3302, 0.3590



## Tritanomaly

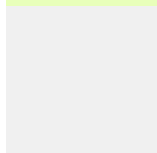
91.9898, 0.3182, 0.3481

# Monochromacy



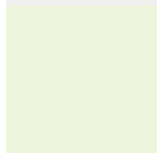
## Original Color

92.2210, 0.3383, 0.4005



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.4766, 0.3226, 0.3546

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.2210, 0.3383, 0.4005 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(232, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 186)  
}
```

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(232, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 92.2210, 0.3383, 0.4005 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(232, 255, 186) }
```

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

```
.border{ border-color:rgb(232, 255, 186) }
```

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

Here you see how a box with a 4 pixel rgb(232, 255, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.2210, 0.3383, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 186) }
```

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

```
.background{ background-color: rgb(232,  
255, 186) }
```

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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