

Converting Colors

$Y_{xy}(103.1591, 0.3330, 0.4054)$

Have a look what the booklet for
Yxy(103.1591, 0.3330, 0.4054)
contains.

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Color

Yxy(93.0772, 0.3356, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	EBFFC2
RGB	235, 255, 194
RGB Percent	92%, 100%, 76%
CMY	0.0786, 0.0000, 0.2392
CMYK	0.08, 0.00, 0.24, 0.00
HSL	80°, 100%, 88%
HSV	80°, 24%, 100%
XYZ	79.7465, 93.0772, 64.8000
YIQ	242.0660, 7.6610, -23.2110

Conversions

Conversions Part 2

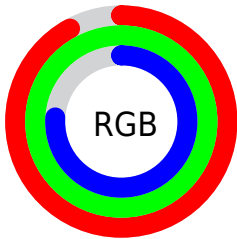
Format	Color
RYB	194, 255, 214
Decimal	15466434
CIELab	97.26, -16.60, 27.04
CIELCh	97, 31.732, 121.540
Yxy	93.0772, 0.3356, 0.3917
Android (android.graphics.Color)	4293656514 (0xFFEBFFC2)
YUV	242.0660, -23.6965, -6.1969
Hunter-Lab	96.4765, -21.2876, 27.7105

Details

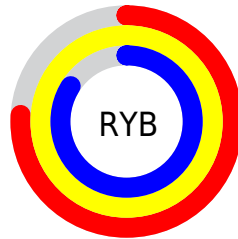
The Yxy color **93.0772, 0.3356, 0.3917** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.1066, 0.2855, 0.2637**, and the grayscale version is **89.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **51.8653, 0.3402, 0.4055** is the 20% darker color. If you saturate the color by 10%, you get **90.6272, 0.3447, 0.4198**, and if you desaturate by 10%, it is **95.7748, 0.3261, 0.3644**.

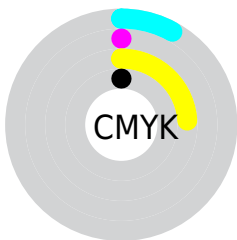
Distribution



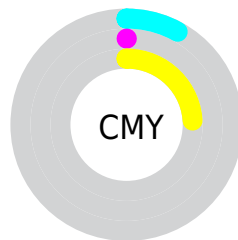
- Red (92%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (84%)



- Cyan (8%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.0772, 0.3356, 0.3917 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 93.0772, 0.3356, 0.3917 by changing the saturation by 10% instead.

 93.0772, 0.3356,
0.3917

 93.0772, 0.3356,
0.3917


537.9909, 0.3260,
0.3632

 70.5357, 0.3376,
0.3981


151.6055, 0.3324,
0.3819

 51.9634, 0.3399,
0.4058


188.3610, 0.3312,
0.3781

 36.9759, 0.3426,
0.4155


230.6234, 0.3300,
0.3748

 25.1888, 0.3459,
0.4279

278.7769, 0.3290,
0.3719

 16.2178, 0.3498,
0.4444

333.2060, 0.3282,
0.3693

 9.6784, 0.3544,
0.4670

394.2951, 0.3274,

 5.1862, 0.3592,

0.3671

0.4999

462.4286, 0.3266,
0.3650

■ 2.3570, 0.3782,
0.5755

■ 0.8036, 0.3086,
0.6914

■ 93.0772, 0.3356,
0.3917

■ 93.0772, 0.3356,
0.3917

■ 90.6272, 0.3447,
0.4198

■ 95.7748, 0.3261,
0.3644

■ 88.4382, 0.3528,
0.4478

■ 98.7545, 0.3164,
0.3386

■ 86.4901, 0.3596,
0.4746

100.0000, 0.3127,
0.3290

■ 84.7700, 0.3643,
0.4990

■ 83.2633, 0.3667,
0.5196

■ 81.9534, 0.3666,
0.5356

■ 80.8198, 0.3640,
0.5465

■ 80.1999, 0.3615,
0.5512

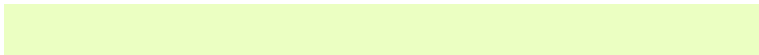
Harmonies

Analogous

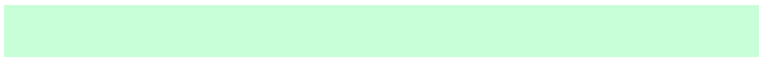
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0772, 0.3657, 0.3868



93.0772, 0.3356, 0.3917



93.0772, 0.3004, 0.3771

Triad

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



93.0772, 0.3356, 0.3917



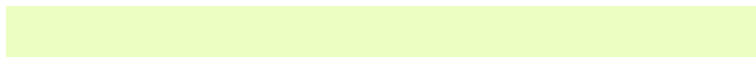
93.0772, 0.2478, 0.2865



93.0772, 0.3562, 0.3103

Complementary

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



93.0772, 0.3356, 0.3917



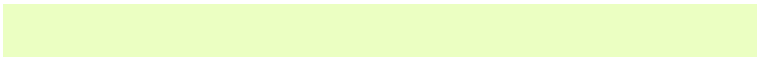
60.1066, 0.2855, 0.2637

Split Complementary

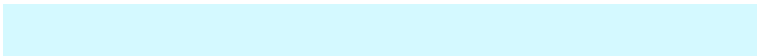
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.0772, 0.3222, 0.2870



93.0772, 0.3356, 0.3917



93.0772, 0.2606, 0.2728

Square

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



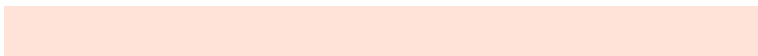
93.0772, 0.3356, 0.3917



93.0772, 0.2510, 0.3133



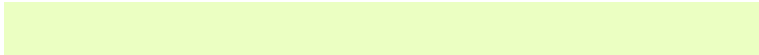
93.0772, 0.2873, 0.2734



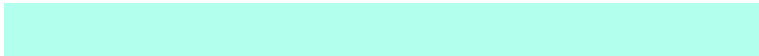
93.0772, 0.3786, 0.3388

Rectangle

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



93.0772, 0.3356, 0.3917



93.0772, 0.2790, 0.3583



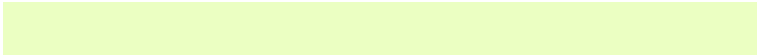
93.0772, 0.2873, 0.2734



93.0772, 0.3457, 0.3017

Sweetspot

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



93.0691, 0.3356, 0.3917



97.8075, 0.3194, 0.3464



72.9029, 0.3583, 0.3490



20.8958, 0.3200, 0.3479



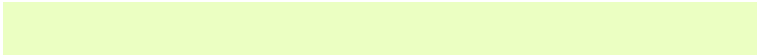
0.0000, 0.0000, 0.0000



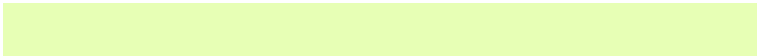
21.4041, 0.3127, 0.3290

Same Dimension

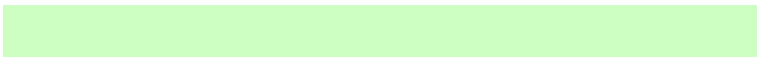
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0691, 0.3356, 0.3917



91.7968, 0.3403, 0.4059



88.4202, 0.3164, 0.3956



20.7741, 0.3218, 0.3528



41.9908, 0.3624, 0.5504



4.1479, 0.3690, 0.5452

Inverse Universe

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



60.1066, 0.2855, 0.2637



53.3175, 0.2785, 0.2481



65.0037, 0.3072, 0.2677



17.6676, 0.3030, 0.3048



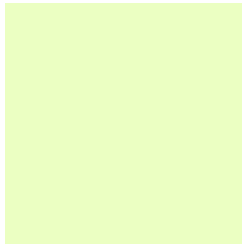
4.8245, 0.1737, 0.0730



0.5262, 0.1858, 0.0797

Previews

White Background



This preview shows how the Yxy color 93.0772, 0.3356, 0.3917 looks on a white background.

Color Contrast Check

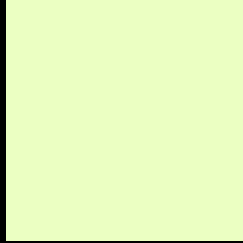
Large Text (above 18pt) WCAG AA × Fail

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 93.0772, 0.3356, 0.3917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

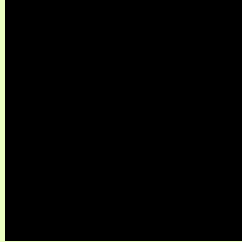
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

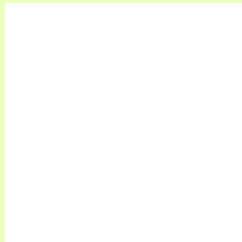
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.0772, 0.3356, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 93.0772, 0.3356, 0.3917.

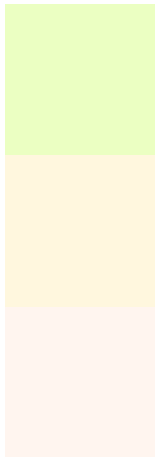


This preview shows how white text looks on a background with the Yxy color 93.0772, 0.3356, 0.3917.

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

93.0772, 0.3356, 0.3917

Protanopia

93.0555, 0.3332, 0.3536

Deuteranopia

92.7968, 0.3229, 0.3349

Tritanopia

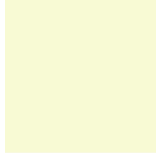
92.7244, 0.3074, 0.3202

Trichromacy



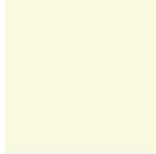
Original Color

93.0772, 0.3356, 0.3917



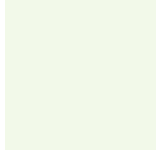
Protanomaly

93.0811, 0.3342, 0.3670



Deuteranomaly

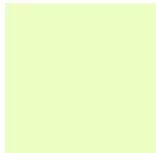
93.0355, 0.3277, 0.3548



Tritanomaly

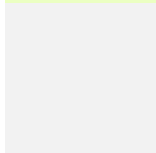
92.5118, 0.3177, 0.3450

Monochromacy



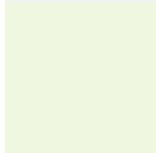
Original Color

93.0772, 0.3356, 0.3917



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.3085, 0.3207, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0772, 0.3356, 0.3917 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(235, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 194)  
}
```

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(235, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 93.0772, 0.3356, 0.3917 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(235, 255, 194) }
```

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

```
.border{ border-color:rgb(235, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0772, 0.3356, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 194) }
```

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

```
.background{ background-color: rgb(235,  
255, 194) }
```

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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