

Converting Colors

$Y_{xy}(100.0000, 0.3320, 0.4103)$

Have a look what the booklet for
Yxy(100.0000, 0.3320, 0.4103)
contains.

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Color

Yxy(91.4817, 0.3338, 0.3991)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E3FFBC |
| RGB | 227, 255, 188 |
| RGB Percent | 89%, 100%, 74% |
| CMY | 0.1099, 0.0000, 0.2626 |
| CMYK | 0.11, 0.00, 0.26, 0.00 |
| HSL | 85°, 100%, 87% |
| HSV | 85°, 26%, 100% |
| XYZ | 76.5136, 91.4817, 61.2247 |
| YIQ | 238.9900, 4.8190, -26.7730 |

Conversions

Conversions Part 2

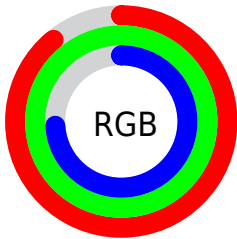
| Format | Color |
|-------------------------------------|--|
| RYB | 188, 255, 216 |
| Decimal | 14942140 |
| CIELab | 96.61, -20.25, 29.08 |
| CIELCh | 97, 35.434, 124.861 |
| Yxy | 91.4817, 0.3338, 0.3991 |
| Android (android.graphics.Color) | 4293132220 (0xFFE3FFBC) |
| YUV | 238.9900, -25.1381, -10.5152 |
| Hunter-Lab | 95.6461, -24.5866, 28.9997 |

Details

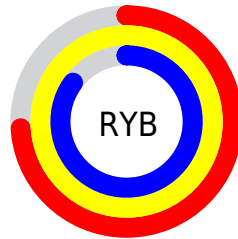
The Yxy color **91.4817, 0.3338, 0.3991** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.8134, 0.2867, 0.2574**, and the grayscale version is **86.5024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **50.7673, 0.3378, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **88.7934, 0.3411, 0.4282**, and if you desaturate by 10%, it is **94.4682, 0.3259, 0.3710**.

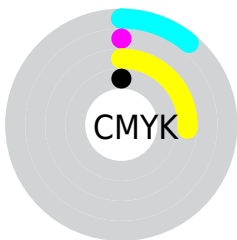
Distribution



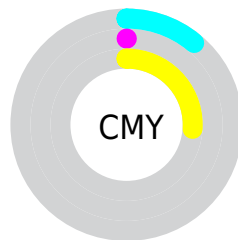
- Red (89%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (85%)



- Cyan (11%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.4817, 0.3338, 0.3991 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 91.4817, 0.3338, 0.3991 by changing the saturation by 10% instead.


 91.4817, 0.3338,
0.3991

 91.4817, 0.3338,
0.3991


532.8391, 0.3251,
0.3670

 69.2102, 0.3355,
0.4063


 149.3948, 0.3310,
0.3880

 50.8829, 0.3375,
0.4152

185.8053, 0.3298,
0.3837

 36.1154, 0.3398,
0.4262


227.6975, 0.3288,
0.3800

 24.5234, 0.3425,
0.4405

275.4559, 0.3279,
0.3767

 15.7223, 0.3455,
0.4594

329.4649, 0.3271,
0.3739

 9.3279, 0.3486,
0.4856


390.1088, 0.3264,


 4.9557, 0.3506,

0.3713

0.5237


457.7720, 0.3257,
0.3690


 2.2213, 0.3734,
0.6266

 0.7316, 0.2154,
0.7846


 91.4817, 0.3338,
0.3991


 91.4817, 0.3338,
0.3991

 88.7934, 0.3411,
0.4282


 94.4682, 0.3259,
0.3710

 86.3967, 0.3474,
0.4573

 97.7698, 0.3178,
0.3446

 84.2766, 0.3521,
0.4853

100.0000, 0.3127,
0.3290

 82.4186, 0.3549,
0.5107

■ 80.8067, 0.3553,
0.5321

■ 79.4223, 0.3533,
0.5485

■ 78.2427, 0.3490,
0.5594

■ 77.8420, 0.3471,
0.5626

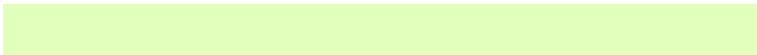
Harmonies

Analogous

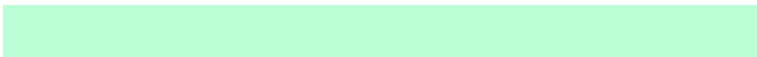
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4817, 0.3689, 0.3954



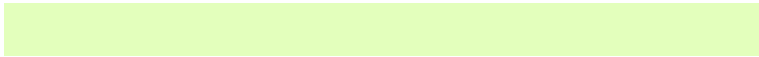
91.4817, 0.3338, 0.3991



91.4817, 0.2945, 0.3804

Triad

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



91.4817, 0.3338, 0.3991



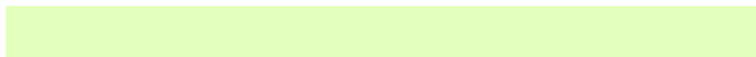
91.4817, 0.2411, 0.2788



91.4817, 0.3652, 0.3113

Complementary

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



91.4817, 0.3338, 0.3991



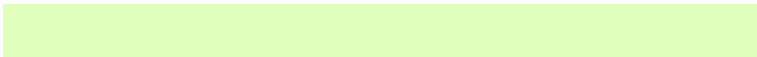
57.8134, 0.2867, 0.2574

Split Complementary

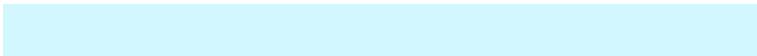
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.4817, 0.3277, 0.2846



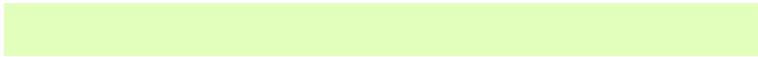
91.4817, 0.3338, 0.3991



91.4817, 0.2571, 0.2656

Square

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



91.4817, 0.3338, 0.3991



91.4817, 0.2425, 0.3071



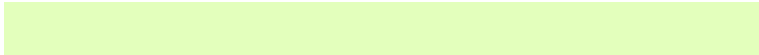
91.4817, 0.2881, 0.2681



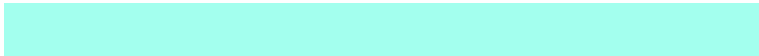
91.4817, 0.3884, 0.3432

Rectangle

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



91.4817, 0.3338, 0.3991



91.4817, 0.2712, 0.3579



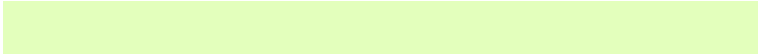
91.4817, 0.2881, 0.2681



91.4817, 0.3538, 0.3015

Sweetspot

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



91.4799, 0.3338, 0.3991



97.1716, 0.3192, 0.3490



73.9744, 0.3621, 0.3578



20.6898, 0.3204, 0.3529



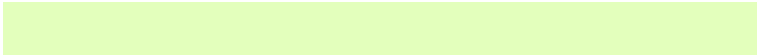
0.0000, 0.0000, 0.0000



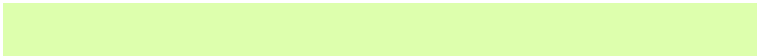
21.4041, 0.3127, 0.3290

Same Dimension

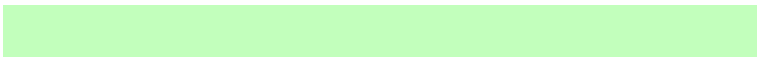
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.4799, 0.3338, 0.3991



89.9011, 0.3381, 0.4157



86.5721, 0.3125, 0.4039



20.6898, 0.3204, 0.3529



40.7638, 0.3482, 0.5617



4.0333, 0.3560, 0.5555

Inverse Universe

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



57.8134, 0.2867, 0.2574



50.6056, 0.2796, 0.2400



63.4216, 0.3116, 0.2625



17.7491, 0.3045, 0.3049



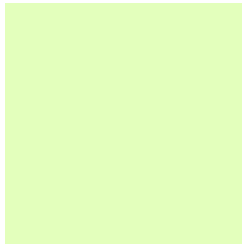
5.4799, 0.1873, 0.0805



0.5960, 0.1999, 0.0875

Previews

White Background



This preview shows how the Yxy color 91.4817, 0.3338, 0.3991 looks on a white background.

Color Contrast Check

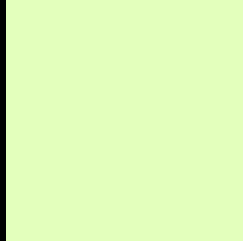
Large Text (above 18pt) WCAG AA × Fail

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 91.4817, 0.3338, 0.3991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

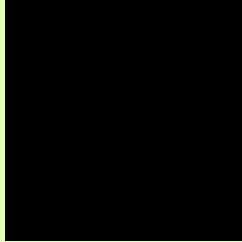
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

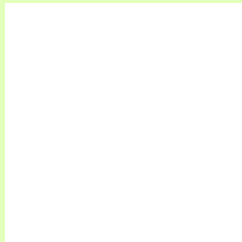
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.4817, 0.3338, 0.3991

Background



This preview shows how black text looks on a background with the Yxy color 91.4817, 0.3338, 0.3991.

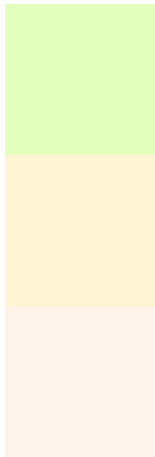


This preview shows how white text looks on a background with the Yxy color 91.4817, 0.3338, 0.3991.

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

91.4817, 0.3338, 0.3991

Protanopia

91.3183, 0.3397, 0.3617

Deuteranopia

91.3017, 0.3261, 0.3378

Tritanopia

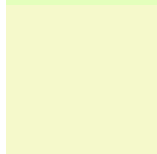
91.2256, 0.3043, 0.3192

Trichromacy



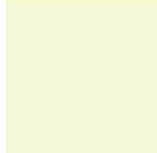
Original Color

91.4817, 0.3338, 0.3991



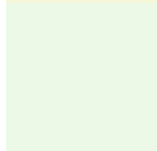
Protanomaly

91.4756, 0.3379, 0.3755



Deuteranomaly

90.9438, 0.3296, 0.3592



Tritanomaly

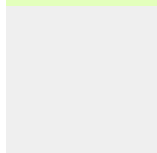
91.3538, 0.3150, 0.3472

Monochromacy



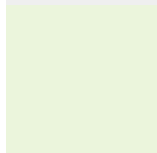
Original Color

91.4817, 0.3338, 0.3991



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.1343, 0.3213, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.4817, 0.3338, 0.3991 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(227, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 188)  
}
```

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(227, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 188) }
```

Border

The CSS property to change the border of an element to Yxy 91.4817, 0.3338, 0.3991 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(227, 255, 188) }
```

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

```
.border{ border-color:rgb(227, 255, 188) }
```

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

Here you see how a box with a 4 pixel rgb(227, 255, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 91.4817, 0.3338, 0.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 188) }
```

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

```
.background{ background-color: rgb(227,  
255, 188) }
```

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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