

Converting Colors

$Yxy(93.9301, 0.3236, 0.3710)$

Have a look what the booklet for
Yxy(93.9301, 0.3236, 0.3710)
contains.

Yxy(93.8675, 0.3233, 0.3708)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(93.8675, 0.3233, 0.3708)

Conversions

Conversions Part 1

Format	Color
Hex	EAFFD6
RGB	234, 255, 214
RGB Percent	92%, 100%, 84%
CMY	0.0822, 0.0000, 0.1607
CMYK	0.08, 0.00, 0.16, 0.00
HSL	91°, 100%, 92%
HSV	91°, 16%, 100%
XYZ	81.8429, 93.8675, 77.4382
YIQ	244.0470, 0.6450, -17.2030

Conversions

Conversions Part 2

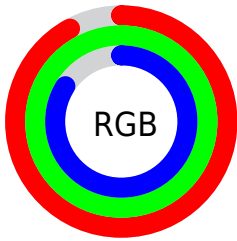
Format	Color
R_{YB}	214, 255, 235
Decimal	15400918
CIE _{Lab}	97.58, -13.88, 17.30
CIE _{LCh}	98, 22.181, 128.737
Yxy	93.8675, 0.3233, 0.3708
Android (android.graphics.Color)	4293590998 (0xFFEAFD6)
YUV	244.0470, -14.8132, -8.8112
Hunter-Lab	96.8852, -18.7629, 20.4305

Details

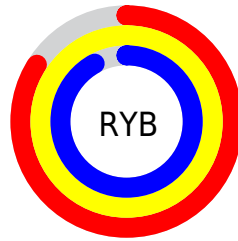
The Yxy color **93.8675, 0.3233, 0.3708** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.9820, 0.3006, 0.2873**, and the grayscale version is **90.6363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3563, 0.3254, 0.3802** is the 20% darker color. If you saturate the color by 10%, you get **90.5423, 0.3296, 0.3994**, and if you desaturate by 10%, it is **97.5672, 0.3167, 0.3441**.

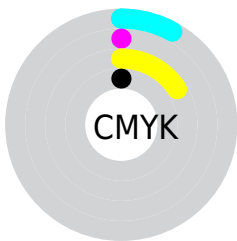
Distribution



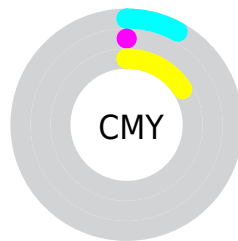
- Red (92%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (92%)



- Cyan (8%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.8675, 0.3233, 0.3708 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 93.8675, 0.3233, 0.3708 by changing the saturation by 10% instead.


 93.8675, 0.3233,
0.3708

 93.8675, 0.3233,
0.3708


540.5330, 0.3189,
0.3519

 71.1928, 0.3242,
0.3750


152.6991, 0.3218,
0.3643

 52.4995, 0.3253,
0.3802


189.6247, 0.3212,
0.3618

 37.4034, 0.3266,
0.3866


232.0694, 0.3207,
0.3596

 25.5200, 0.3282,
0.3949

280.4176, 0.3203,
0.3577

 16.4649, 0.3301,
0.4059

335.0537, 0.3199,
0.3560

 9.8537, 0.3325,
0.4213

396.3620, 0.3195,

 5.3021, 0.3353,

0.3545

0.4441

464.7270, 0.3192,
0.3531

■ 2.4256, 0.3381,
0.4814

■ 0.8390, 0.3534,
0.6466

■ 93.8675, 0.3233,
0.3708

■ 93.8675, 0.3233,
0.3708

■ 90.5423, 0.3296,
0.3994

■ 97.5672, 0.3167,
0.3441

■ 87.5663, 0.3353,
0.4295

99.9948, 0.3127,
0.3290

■ 84.9300, 0.3401,
0.4599

■ 82.6184, 0.3433,
0.4894

■ 80.6154, 0.3447,
0.5166

■ 78.9029, 0.3439,
0.5398

■ 77.4605, 0.3409,
0.5576

■ 76.2634, 0.3360,
0.5696

■ 75.8468, 0.3337,
0.5732

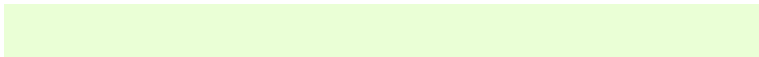
Harmonies

Analogous

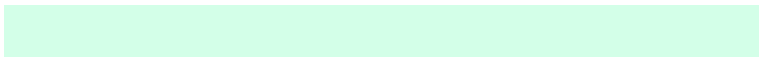
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8675, 0.3456, 0.3713



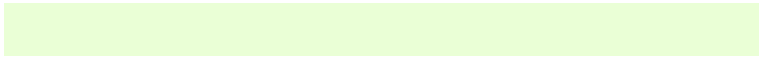
93.8675, 0.3233, 0.3708



93.8675, 0.2988, 0.3578

Triad

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



93.8675, 0.3233, 0.3708



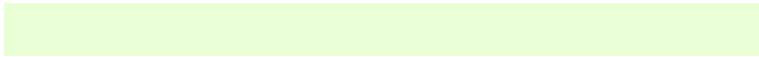
93.8675, 0.2679, 0.2962



93.8675, 0.3477, 0.3208

Complementary

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



93.8675, 0.3233, 0.3708



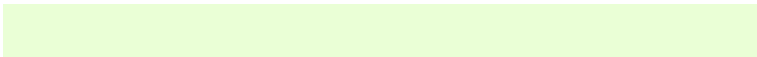
72.9820, 0.3006, 0.2873

Split Complementary

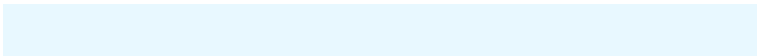
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8675, 0.3256, 0.3026



93.8675, 0.3233, 0.3708



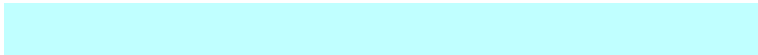
93.8675, 0.2798, 0.2884

Square

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



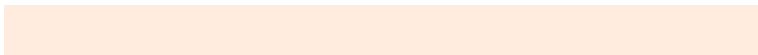
93.8675, 0.3233, 0.3708



93.8675, 0.2674, 0.3134



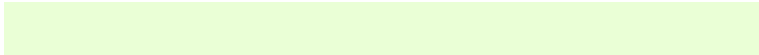
93.8675, 0.3007, 0.2909



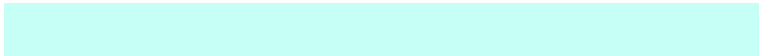
93.8675, 0.3602, 0.3415

Rectangle

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



93.8675, 0.3233, 0.3708



93.8675, 0.2844, 0.3439



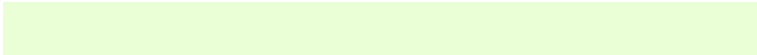
93.8675, 0.3007, 0.2909



93.8675, 0.3411, 0.3142

Sweetspot

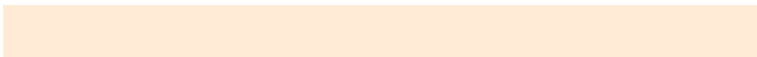
The Sweet Spot groups the original color and five complimentary colors.



93.8716, 0.3233, 0.3708



97.9904, 0.3160, 0.3414



85.2502, 0.3401, 0.3495



20.9152, 0.3165, 0.3432



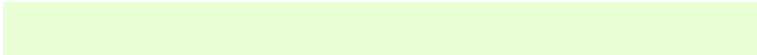
0.0000, 0.0000, 0.0000



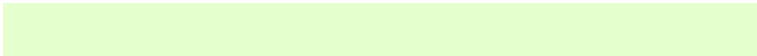
21.4041, 0.3127, 0.3290

Same Dimension

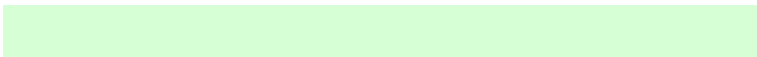
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8716, 0.3233, 0.3708



92.8641, 0.3252, 0.3790



90.6710, 0.3107, 0.3724



20.6039, 0.3190, 0.3530



39.7227, 0.3349, 0.5723



3.9324, 0.3435, 0.5654

Inverse Universe

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



72.9820, 0.3006, 0.2873



68.6701, 0.2980, 0.2792



76.5836, 0.3146, 0.2891



17.8343, 0.3059, 0.3050



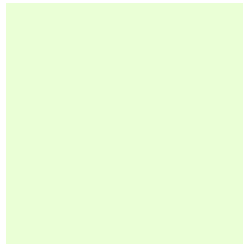
6.3568, 0.2043, 0.0899



0.6840, 0.2164, 0.0966

Previews

White Background



This preview shows how the Yxy color 93.8675, 0.3233, 0.3708 looks on a white background.

Color Contrast Check

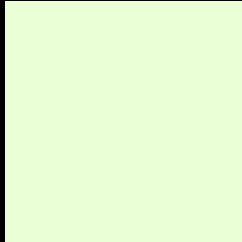
Large Text (above 18pt) WCAG AA × Fail

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 93.8675, 0.3233, 0.3708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

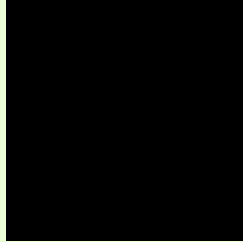
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

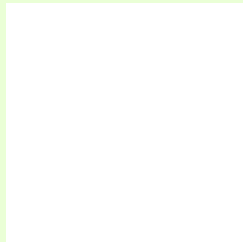
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.8675, 0.3233, 0.3708

Background



This preview shows how black text looks on a background with the Yxy color 93.8675, 0.3233, 0.3708.

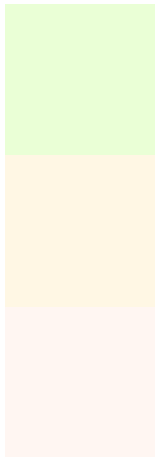


This preview shows how white text looks on a background with the Yxy color 93.8675, 0.3233, 0.3708.

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

93.8675, 0.3233, 0.3708

Protanopia

93.3830, 0.3294, 0.3476

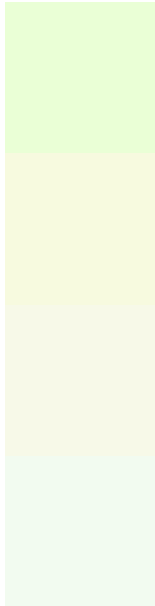
Deuteranopia

93.5823, 0.3209, 0.3329

Tritanopia

93.9476, 0.3074, 0.3222

Trichromacy



Original Color

93.8675, 0.3233, 0.3708

Protanomaly

93.4731, 0.3269, 0.3559

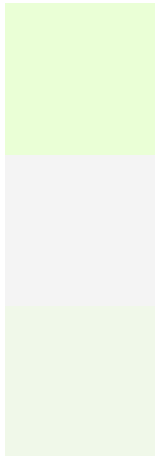
Deuteranomaly

93.3517, 0.3216, 0.3458

Tritanomaly

94.1629, 0.3135, 0.3399

Monochromacy



Original Color

93.8675, 0.3233, 0.3708

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.5433, 0.3165, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.8675, 0.3233, 0.3708 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(234, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 214)  
}
```

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(234, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 93.8675, 0.3233, 0.3708 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(234, 255, 214) }
```

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

```
.border{ border-color:rgb(234, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(234, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 93.8675, 0.3233, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 214) }
```

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

```
.background{ background-color: rgb(234,  
255, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor