

Converting Colors

$Y_{xy}(100.0000, 0.3259, 0.3860)$

Have a look what the booklet for
Yxy(100.0000, 0.3259, 0.3860)
contains.

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Color

Yxy(93.5665, 0.3268, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	EAFFD0
RGB	234, 255, 208
RGB Percent	92%, 100%, 82%
CMY	0.0822, 0.0000, 0.1843
CMYK	0.08, 0.00, 0.18, 0.00
HSL	87°, 100%, 91%
HSV	87°, 18%, 100%
XYZ	81.0860, 93.5665, 73.4687
YIQ	243.3630, 2.5710, -19.0690

Conversions

Conversions Part 2

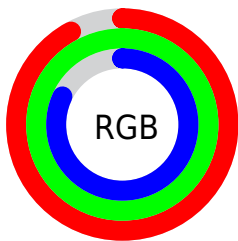
Format	Color
R _Y B	208, 255, 229
Decimal	15400912
CIE Lab	97.46, -14.83, 20.20
CIE LCh	97, 25.055, 126.284
Yxy	93.5665, 0.3268, 0.3771
Android (android.graphics.Color)	4293590992 (0xFFEAFD0)
YUV	243.3630, -17.4340, -8.2114
Hunter-Lab	96.7298, -19.6453, 22.6786

Details

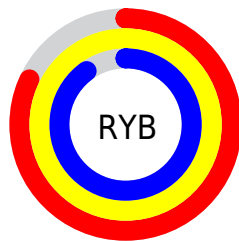
The Yxy color **93.5665, 0.3268, 0.3771** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.9926, 0.2964, 0.2805**, and the grayscale version is **90.0791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.1531, 0.3298, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **90.5498, 0.3341, 0.4057**, and if you desaturate by 10%, it is **96.9168, 0.3192, 0.3502**.

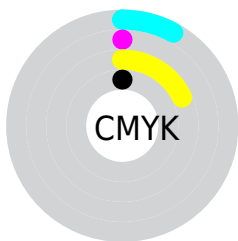
Distribution



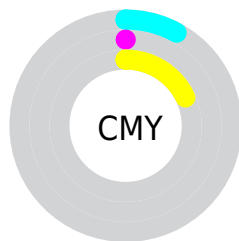
- Red (92%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (90%)



- Cyan (8%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.5665, 0.3268, 0.3771 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 93.5665, 0.3268, 0.3771 by changing the saturation by 10% instead.


 93.5665, 0.3268,
0.3771

 93.5665, 0.3268,
0.3771

539.5655, 0.3209,
0.3553

 70.9425, 0.3280,
0.3820

152.2827, 0.3249,
0.3696

 52.2952, 0.3295,
0.3879


189.1436, 0.3241,
0.3667

 37.2405, 0.3312,
0.3953


231.5189, 0.3234,
0.3642

 25.3937, 0.3333,
0.4049

279.7931, 0.3228,
0.3619

 16.3706, 0.3358,
0.4176

334.3504, 0.3222,
0.3600

 9.7868, 0.3389,
0.4354

395.5753, 0.3217,

 5.2578, 0.3426,

0.3583

0.4616

463.8522, 0.3213,
0.3567

■ 2.3993, 0.3476,
0.5063

■ 0.8255, 0.3386,
0.6614

■ 93.5665, 0.3268,
0.3771

■ 93.5665, 0.3268,
0.3771

■ 90.5498, 0.3341,
0.4057

■ 96.9168, 0.3192,
0.3502

■ 87.8426, 0.3408,
0.4352

99.9977, 0.3127,
0.3290

■ 85.4361, 0.3463,
0.4646

■ 83.3166, 0.3502,
0.4926

■ 81.4688, 0.3520,
0.5177

■ 79.8757, 0.3515,
0.5387

■ 78.5174, 0.3487,
0.5543

■ 77.3673, 0.3438,
0.5645

■ 77.1998, 0.3429,
0.5659

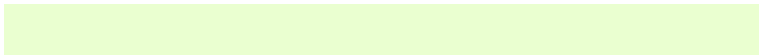
Harmonies

Analogous

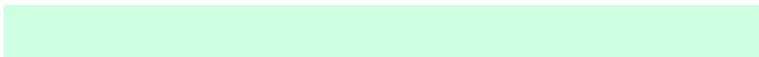
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5665, 0.3516, 0.3762



93.5665, 0.3268, 0.3771



93.5665, 0.2990, 0.3634

Triad

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



93.5665, 0.3268, 0.3771



93.5665, 0.2617, 0.2931



93.5665, 0.3506, 0.3178

Complementary

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



93.5665, 0.3268, 0.3771



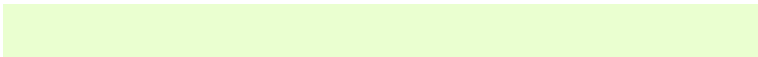
68.9926, 0.2964, 0.2805

Split Complementary

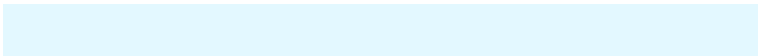
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.5665, 0.3249, 0.2979



93.5665, 0.3268, 0.3771



93.5665, 0.2741, 0.2836

Square

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



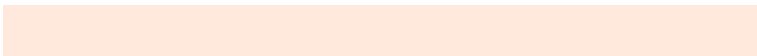
93.5665, 0.3268, 0.3771



93.5665, 0.2623, 0.3132



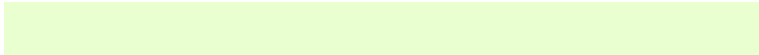
93.5665, 0.2969, 0.2856



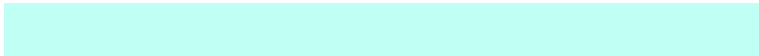
93.5665, 0.3659, 0.3410

Rectangle

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



93.5665, 0.3268, 0.3771



93.5665, 0.2825, 0.3480



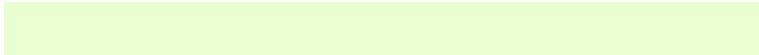
93.5665, 0.2969, 0.2856



93.5665, 0.3428, 0.3106

Sweetspot

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



93.5706, 0.3268, 0.3771



97.7816, 0.3173, 0.3439



81.5064, 0.3451, 0.3496



20.8792, 0.3178, 0.3456



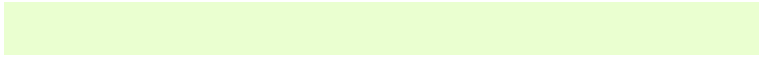
0.0000, 0.0000, 0.0000



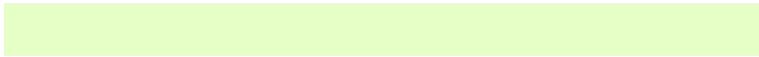
21.4041, 0.3127, 0.3290

Same Dimension

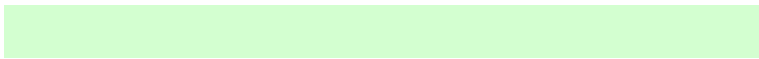
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.5706, 0.3268, 0.3771



92.4568, 0.3295, 0.3872



89.9429, 0.3123, 0.3793



20.6641, 0.3200, 0.3530



40.4299, 0.3441, 0.5650



4.0014, 0.3522, 0.5586

Inverse Universe

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



68.9926, 0.2964, 0.2805



63.8571, 0.2927, 0.2702



73.0085, 0.3126, 0.2828



17.7744, 0.3049, 0.3049



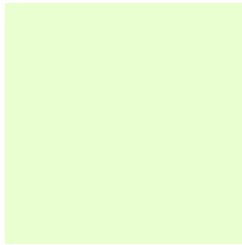
5.7195, 0.1921, 0.0832



0.6205, 0.2046, 0.0901

Previews

White Background



This preview shows how the Yxy color 93.5665, 0.3268, 0.3771 looks on a white background.

Color Contrast Check

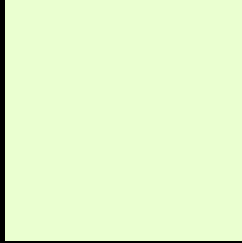
Large Text (above 18pt) WCAG AA × Fail

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 93.5665, 0.3268, 0.3771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

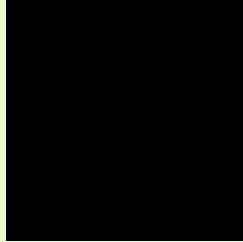
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

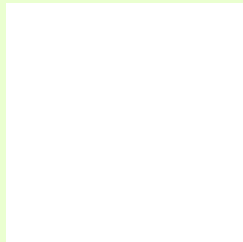
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.5665, 0.3268, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 93.5665, 0.3268, 0.3771.

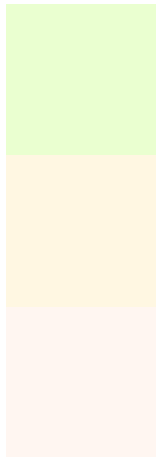


This preview shows how white text looks on a background with the Yxy color 93.5665, 0.3268, 0.3771.

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

93.5665, 0.3268, 0.3771

Protanopia

93.2725, 0.3307, 0.3496

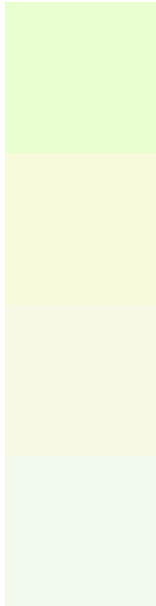
Deuteranopia

93.5224, 0.3216, 0.3339

Tritanopia

93.3344, 0.3074, 0.3212

Trichromacy



Original Color

93.5665, 0.3268, 0.3771

Protanomaly

93.2598, 0.3293, 0.3599

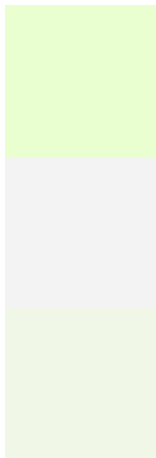
Deuteranomaly

93.1827, 0.3234, 0.3488

Tritanomaly

93.4215, 0.3147, 0.3409

Monochromacy



Original Color

93.5665, 0.3268, 0.3771

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.7600, 0.3184, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.5665, 0.3268, 0.3771 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 93.5665, 0.3268, 0.3771 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, 208) }
```

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

```
.border{ border-color:rgb(234, 255, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 93.5665, 0.3268, 0.3771 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, 208) }
```

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

```
.background{ background-color: rgb(234,  
255, 208) }
```

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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