

Converting Colors

$Yxy(93.6520, 0.3134, 0.3585)$

Have a look what the booklet for
Yxy(93.6520, 0.3134, 0.3585)
contains.

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Color

Yxy(93.6690, 0.3132, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	E5FFE2
RGB	229, 255, 226
RGB Percent	90%, 100%, 89%
CMY	0.1018, 0.0000, 0.1137
CMYK	0.10, 0.00, 0.11, 0.00
HSL	114°, 100%, 94%
HSV	114°, 11%, 100%
XYZ	81.8102, 93.6690, 85.7283
YIQ	243.9200, -6.1870, -14.5310

Conversions

Conversions Part 2

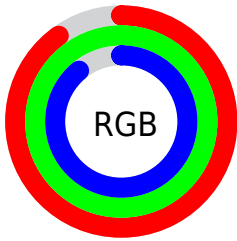
Format	Color
R_{YB}	226, 255, 252
Decimal	15073250
CIE _{Lab}	97.50, -13.60, 11.01
CIE _{LCh}	97, 17.495, 141.009
Yxy	93.6690, 0.3132, 0.3586
Android (android.graphics.Color)	4293263330 (0xFFE5FFE2)
YUV	243.9200, -8.8346, -13.0848
Hunter-Lab	96.7827, -18.4843, 15.2300

Details

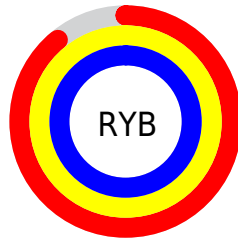
The Yxy color **93.6690, 0.3132, 0.3586** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **82.3106, 0.3120, 0.3007**, and the grayscale version is **90.4829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.2127, 0.3126, 0.3645** is the 20% darker color. If you saturate the color by 10%, you get **88.8614, 0.3134, 0.3881**, and if you desaturate by 10%, it is **99.1872, 0.3128, 0.3323**.

Distribution



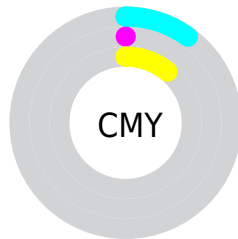
- Red (90%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (99%)



- Cyan (10%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.6690, 0.3132, 0.3586 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 93.6690, 0.3132, 0.3586 by changing the saturation by 10% instead.


 93.6690, 0.3132,
0.3586

 93.6690, 0.3132,
0.3586


539.8951, 0.3131,
0.3452

 71.0277, 0.3132,
0.3616

152.4245, 0.3132,
0.3540

 52.3648, 0.3132,
0.3652

189.3075, 0.3132,
0.3522

 37.2959, 0.3131,
0.3698


231.7064, 0.3132,
0.3507

 25.4367, 0.3130,
0.3756

280.0058, 0.3132,
0.3493

 16.4027, 0.3128,
0.3834

334.5899, 0.3132,
0.3481

 9.8096, 0.3124,
0.3944

395.8433, 0.3131,

 5.2729, 0.3115,

0.3471

0.4107

464.1502, 0.3131,
0.3461

■ 2.4082, 0.3093,
0.4379

■ 0.8301, 0.3215,
0.5840

■ 93.6690, 0.3132,
0.3586

■ 93.6690, 0.3132,
0.3586

■ 88.8614, 0.3134,
0.3881

■ 99.1872, 0.3128,
0.3323

■ 84.7239, 0.3133,
0.4206

99.9972, 0.3127,
0.3290

■ 81.2305, 0.3128,
0.4552

■ 78.3485, 0.3119,
0.4905

■ 76.0425, 0.3105,
0.5242

■ 74.2735, 0.3085,
0.5538

■ 72.9975, 0.3062,
0.5769

■ 72.1634, 0.3038,
0.5918

■ 71.7447, 0.3020,
0.5984

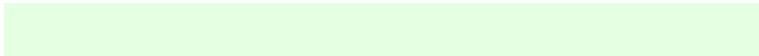
Harmonies

Analogous

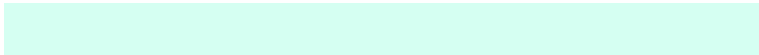
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6690, 0.3322, 0.3633



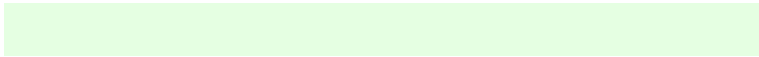
93.6690, 0.3132, 0.3586



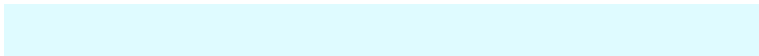
93.6690, 0.2945, 0.3452

Triad

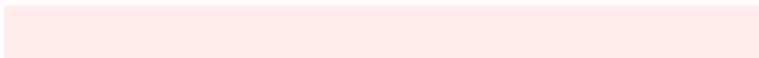
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.6690, 0.3132, 0.3586



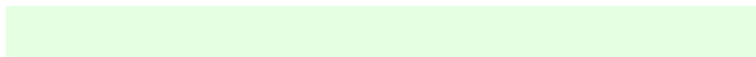
93.6690, 0.2800, 0.2996



93.6690, 0.3454, 0.3293

Complementary

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



93.6690, 0.3132, 0.3586



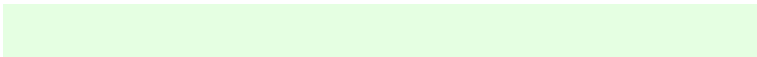
82.3106, 0.3120, 0.3007

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.



93.6690, 0.3307, 0.3135



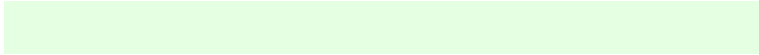
93.6690, 0.3132, 0.3586



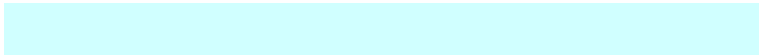
93.6690, 0.2928, 0.2965

Square

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



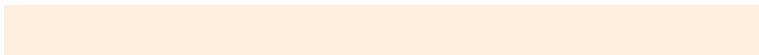
93.6690, 0.3132, 0.3586



93.6690, 0.2757, 0.3106



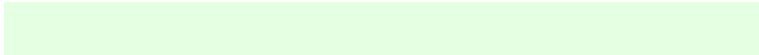
93.6690, 0.3113, 0.3017



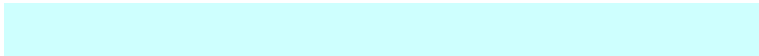
93.6690, 0.3512, 0.3456

Rectangle

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



93.6690, 0.3132, 0.3586



93.6690, 0.2847, 0.3334



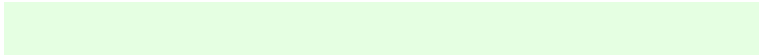
93.6690, 0.3113, 0.3017



93.6690, 0.3413, 0.3238

Sweetspot

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



93.6730, 0.3132, 0.3586



98.2405, 0.3129, 0.3364



96.1299, 0.3301, 0.3540



20.9292, 0.3129, 0.3384



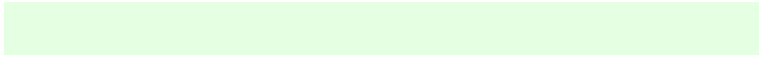
0.0000, 0.0000, 0.0000



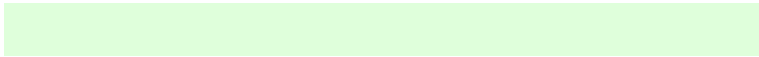
21.4041, 0.3127, 0.3290

Same Dimension

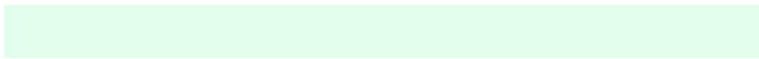
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.6730, 0.3132, 0.3586



92.3419, 0.3133, 0.3661



93.8099, 0.3051, 0.3472



20.2587, 0.3131, 0.3535



37.5189, 0.3024, 0.5981



3.6816, 0.3071, 0.5943

Inverse Universe

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



82.3106, 0.3120, 0.3007



78.6004, 0.3118, 0.2940



82.1843, 0.3212, 0.3115



18.1985, 0.3121, 0.3055



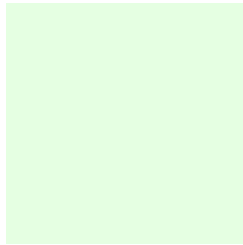
12.4649, 0.2947, 0.1397



1.2402, 0.2979, 0.1415

Previews

White Background



This preview shows how the Yxy color 93.6690, 0.3132, 0.3586 looks on a white background.

Color Contrast Check

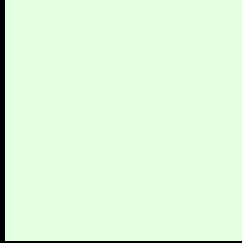
Large Text (above 18pt) WCAG AA × Fail

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 93.6690, 0.3132, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

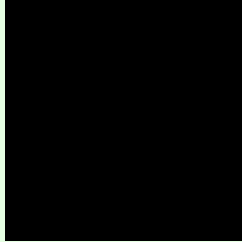
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

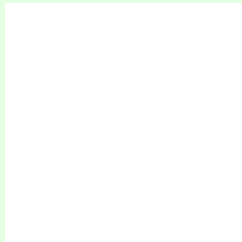
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.6690, 0.3132, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 93.6690, 0.3132, 0.3586.

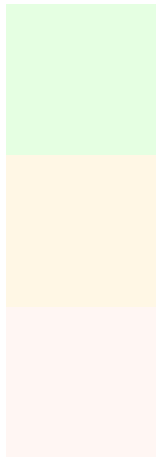


This preview shows how white text looks on a background with the Yxy color 93.6690, 0.3132, 0.3586.

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

93.6690, 0.3132, 0.3586

Protanopia

93.4387, 0.3288, 0.3466

Deuteranopia

93.6426, 0.3203, 0.3319

Tritanopia

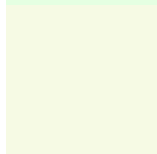
93.5879, 0.3061, 0.3222

Trichromacy



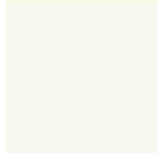
Original Color

93.6690, 0.3132, 0.3586



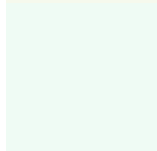
Protanomaly

93.5655, 0.3232, 0.3509



Deuteranomaly

93.4586, 0.3179, 0.3409



Tritanomaly

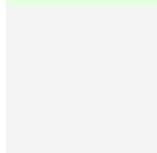
93.8767, 0.3093, 0.3359

Monochromacy



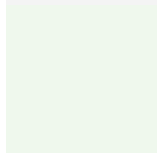
Original Color

93.6690, 0.3132, 0.3586



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.6000, 0.3135, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.6690, 0.3132, 0.3586 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(229, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 226)  
}
```

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(229, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 93.6690, 0.3132, 0.3586 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(229, 255, 226) }
```

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

```
.border{ border-color:rgb(229, 255, 226) }
```

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

Here you see how a box with a 4 pixel rgb(229, 255, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 93.6690, 0.3132, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 226) }
```

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

```
.background{ background-color: rgb(229,  
255, 226) }
```

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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