

Converting Colors

$Y_{xy}(100.0000, 0.3163, 0.3740)$

Have a look what the booklet for
Yxy(100.0000, 0.3163, 0.3740)
contains.

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Color

Yxy(93.5103, 0.3173, 0.3649)

Conversions

Conversions Part 1

Format	Color
Hex	E6FFDC
RGB	230, 255, 220
RGB Percent	90%, 100%, 86%
CMY	0.0979, 0.0000, 0.1374
CMYK	0.10, 0.00, 0.14, 0.00
HSL	103°, 100%, 93%
HSV	103°, 14%, 100%
XYZ	81.3122, 93.5103, 81.4403
YIQ	243.5350, -3.6650, -16.1850

Conversions

Conversions Part 2

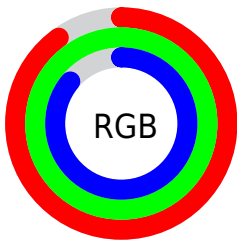
Format	Color
R _Y B	220, 255, 245
Decimal	15138780
CIE Lab	97.43, -14.29, 14.03
CIE LCh	97, 20.024, 135.525
Yxy	93.5103, 0.3173, 0.3649
Android (android.graphics.Color)	4293328860 (0xFFE6FFDC)
YUV	243.5350, -11.6028, -11.8702
Hunter-Lab	96.7007, -19.1320, 17.7571

Details

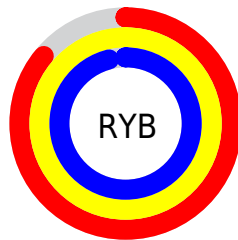
The Yxy color **93.5103, 0.3173, 0.3649** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77.7816, 0.3074, 0.2942**, and the grayscale version is **90.1742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.1035, 0.3178, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **89.4109, 0.3204, 0.3942**, and if you desaturate by 10%, it is **98.1329, 0.3140, 0.3383**.

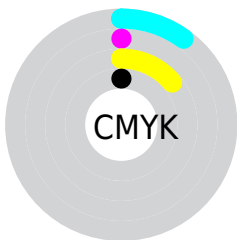
Distribution



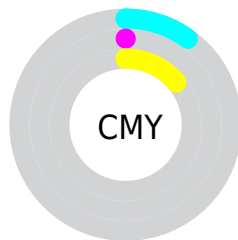
- Red (90%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (96%)



- Cyan (10%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.5103, 0.3173, 0.3649 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 93.5103, 0.3173, 0.3649 by changing the saturation by 10% instead.


 93.5103, 0.3173,
0.3649

 93.5103, 0.3173,
0.3649


539.3848, 0.3155,
0.3487

 70.8957, 0.3177,
0.3685

152.2049, 0.3167,
0.3593

 52.2571, 0.3181,
0.3730


189.0537, 0.3165,
0.3572

 37.2100, 0.3186,
0.3785


231.4161, 0.3163,
0.3553

 25.3702, 0.3191,
0.3857

279.6764, 0.3161,
0.3536

 16.3531, 0.3198,
0.3952

334.2190, 0.3159,
0.3522

 9.7743, 0.3204,
0.4086

395.4284, 0.3157,

 5.2496, 0.3210,

0.3509

0.4286

463.6888, 0.3156,
0.3497

■ 2.3944, 0.3207,
0.4616

■ 0.8230, 0.3450,
0.6550

■ 93.5103, 0.3173,
0.3649

■ 93.5103, 0.3173,
0.3649

■ 89.4109, 0.3204,
0.3942

■ 98.1329, 0.3140,
0.3383

■ 85.8103, 0.3229,
0.4258

100.0000, 0.3127,
0.3290

■ 82.6903, 0.3248,
0.4587

■ 80.0294, 0.3255,
0.4916

■ 77.8043, 0.3250,
0.5226

■ 75.9895, 0.3230,
0.5496

■ 74.5566, 0.3195,
0.5708

■ 73.4725, 0.3150,
0.5849

■ 72.9477, 0.3119,
0.5905

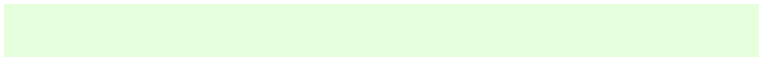
Harmonies

Analogous

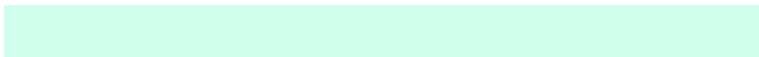
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5103, 0.3385, 0.3681



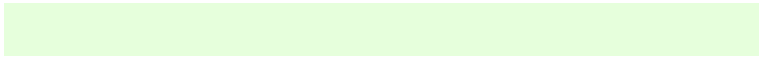
93.5103, 0.3173, 0.3649



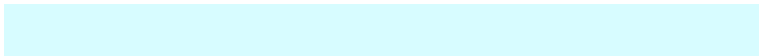
93.5103, 0.2955, 0.3510

Triad

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



93.5103, 0.3173, 0.3649



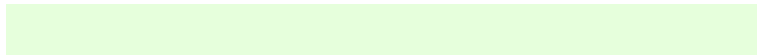
93.5103, 0.2737, 0.2970



93.5103, 0.3478, 0.3258

Complementary

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



93.5103, 0.3173, 0.3649



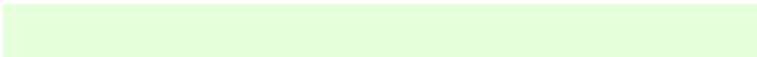
77.7816, 0.3074, 0.2942

Split Complementary

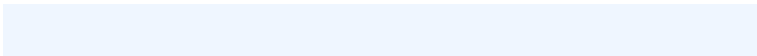
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.5103, 0.3294, 0.3084



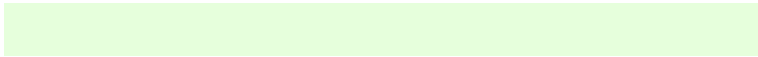
93.5103, 0.3173, 0.3649



93.5103, 0.2867, 0.2919

Square

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



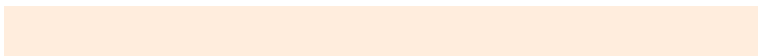
93.5103, 0.3173, 0.3649



93.5103, 0.2708, 0.3109



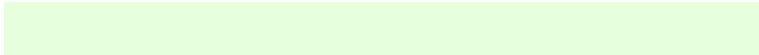
93.5103, 0.3069, 0.2962



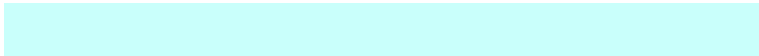
93.5103, 0.3566, 0.3446

Rectangle

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



93.5103, 0.3173, 0.3649



93.5103, 0.2834, 0.3378



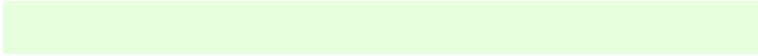
93.5103, 0.3069, 0.2962



93.5103, 0.3425, 0.3196

Sweetspot

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



93.5122, 0.3173, 0.3649



98.0078, 0.3141, 0.3389



91.4192, 0.3348, 0.3532



20.8996, 0.3143, 0.3408



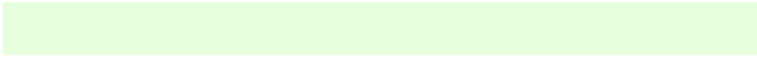
0.0000, 0.0000, 0.0000



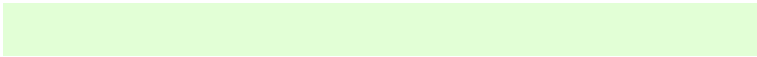
21.4041, 0.3127, 0.3290

Same Dimension

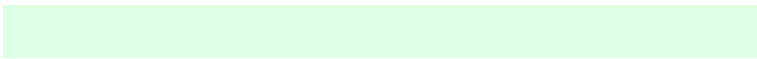
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.5122, 0.3173, 0.3649



92.5421, 0.3180, 0.3713



92.2724, 0.3071, 0.3581



20.4209, 0.3159, 0.3533



38.1820, 0.3129, 0.5897



3.7704, 0.3210, 0.5833

Inverse Universe

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



77.7816, 0.3074, 0.2942



74.5179, 0.3064, 0.2882



79.1989, 0.3189, 0.3016



18.0228, 0.3092, 0.3052



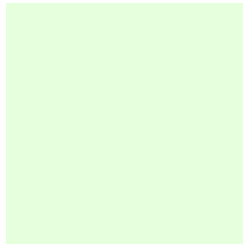
9.0307, 0.2491, 0.1146



0.9350, 0.2575, 0.1192

Previews

White Background



This preview shows how the Yxy color 93.5103, 0.3173, 0.3649 looks on a white background.

Color Contrast Check

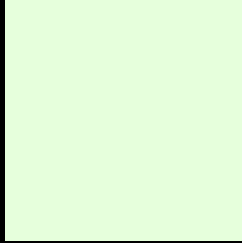
Large Text (above 18pt) WCAG AA × Fail

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 93.5103, 0.3173, 0.3649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

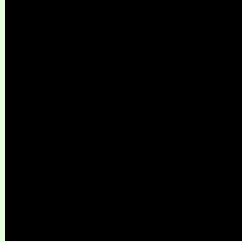
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

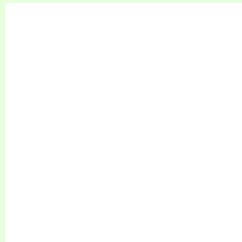
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.5103, 0.3173, 0.3649

Background



This preview shows how black text looks on a background with the Yxy color 93.5103, 0.3173, 0.3649.

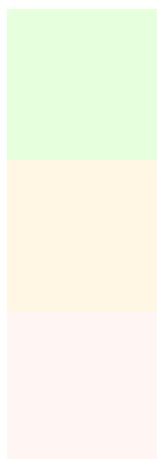


This preview shows how white text looks on a background with the Yxy color 93.5103, 0.3173, 0.3649.

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

93.5103, 0.3173, 0.3649

Protanopia

93.3276, 0.3301, 0.3486

Deuteranopia

92.9756, 0.3210, 0.3319

Tritanopia

93.5879, 0.3061, 0.3222

Trichromacy



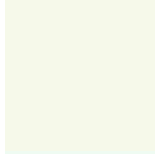
Original Color

93.5103, 0.3173, 0.3649



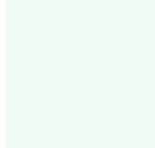
Protanomaly

93.3459, 0.3256, 0.3549



Deuteranomaly

93.2847, 0.3197, 0.3439



Tritanomaly

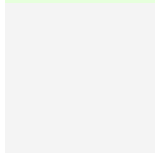
93.7559, 0.3104, 0.3379

Monochromacy



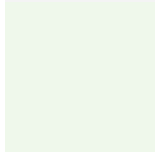
Original Color

93.5103, 0.3173, 0.3649



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.4837, 0.3147, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.5103, 0.3173, 0.3649 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(230, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 220)  
}
```

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(230, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 93.5103, 0.3173, 0.3649 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(230, 255, 220) }
```

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

```
.border{ border-color:rgb(230, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 93.5103, 0.3173, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 220) }
```

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

```
.background{ background-color: rgb(230,  
255, 220) }
```

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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