

Converting Colors

$Y_{xy}(94.5100, 0.3176, 0.3600)$

Have a look what the booklet for
Yxy(94.5100, 0.3176, 0.3600)
contains.

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Color

Yxy(94.5640, 0.3181, 0.3604)

Conversions

Conversions Part 1

Format	Color
Hex	EBFFE0
RGB	235, 255, 224
RGB Percent	92%, 100%, 88%
CMY	0.0786, 0.0000, 0.1217
CMYK	0.08, 0.00, 0.12, 0.00
HSL	99°, 100%, 94%
HSV	99°, 12%, 100%
XYZ	83.4651, 94.5640, 84.3572
YIQ	245.4860, -1.9690, -13.8810

Conversions

Conversions Part 2

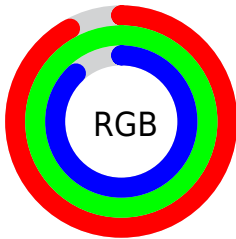
Format	Color
R_{YB}	224, 255, 244
Decimal	15466464
CIE _{Lab}	97.86, -11.97, 12.62
CIE _{LCh}	98, 17.390, 133.478
Yxy	94.5640, 0.3181, 0.3604
Android (android.graphics.Color)	4293656544 (0xFFEBFFE0)
YUV	245.4860, -10.5926, -9.1962
Hunter-Lab	97.2440, -16.9695, 16.6380

Details

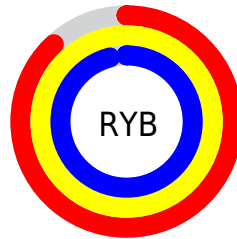
The Yxy color **94.5640, 0.3181, 0.3604** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **79.7537, 0.3066, 0.2982**, and the grayscale version is **91.8000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.8364, 0.3189, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **90.6027, 0.3223, 0.3890**, and if you desaturate by 10%, it is **98.9794, 0.3137, 0.3343**.

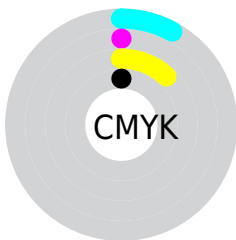
Distribution



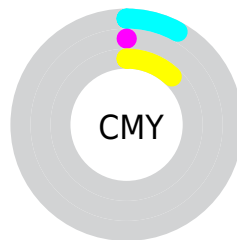
- Red (92%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (96%)



- Cyan (8%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.5640, 0.3181, 0.3604 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 94.5640, 0.3181, 0.3604 by changing the saturation by 10% instead.

 94.5640, 0.3181,
0.3604

 94.5640, 0.3181,
0.3604

542.7682, 0.3159,
0.3463

 71.7721, 0.3186,
0.3635


153.6621, 0.3174,
0.3556

 52.9726, 0.3191,
0.3674


190.7372, 0.3171,
0.3537

 37.7809, 0.3197,
0.3722


233.3421, 0.3168,
0.3520

 25.8127, 0.3205,
0.3783

281.8612, 0.3166,
0.3506

 16.6835, 0.3215,
0.3865

336.6790, 0.3164,
0.3493

 10.0091, 0.3226,
0.3979

398.1799, 0.3162,

 5.4050, 0.3240,

0.3482

0.4148

466.7481, 0.3160,
0.3472

■ 2.4868, 0.3254,
0.4425

■ 0.8700, 0.3638,
0.5919

■ 94.5640, 0.3181,
0.3604

■ 94.5640, 0.3181,
0.3604

■ 90.6027, 0.3223,
0.3890

■ 98.9794, 0.3137,
0.3343

■ 87.0984, 0.3261,
0.4197

100.0000, 0.3127,
0.3290

■ 84.0276, 0.3290,
0.4517

■ 81.3719, 0.3309,
0.4838

■ 79.1113, 0.3313,
0.5142

■ 77.2241, 0.3300,
0.5412

■ 75.6860, 0.3269,
0.5629

■ 74.4689, 0.3222,
0.5781

■ 73.7114, 0.3179,
0.5857

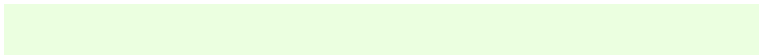
Harmonies

Analogous

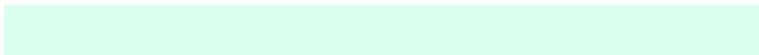
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.5640, 0.3361, 0.3626



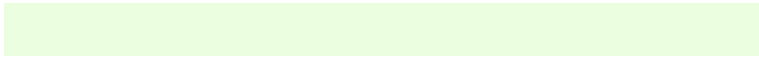
94.5640, 0.3181, 0.3604



94.5640, 0.2990, 0.3490

Triad

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



94.5640, 0.3181, 0.3604



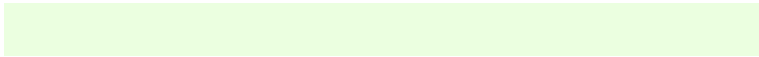
94.5640, 0.2783, 0.3019



94.5640, 0.3422, 0.3252

Complementary

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



94.5640, 0.3181, 0.3604



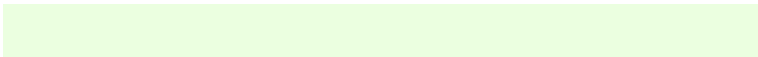
79.7537, 0.3066, 0.2982

Split Complementary

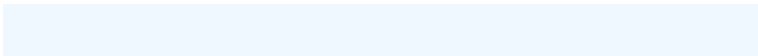
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.5640, 0.3259, 0.3102



94.5640, 0.3181, 0.3604



94.5640, 0.2891, 0.2968

Square

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



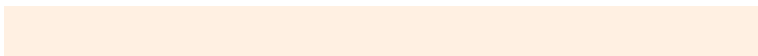
94.5640, 0.3181, 0.3604



94.5640, 0.2765, 0.3145



94.5640, 0.3064, 0.2999



94.5640, 0.3504, 0.3416

Rectangle

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



94.5640, 0.3181, 0.3604



94.5640, 0.2883, 0.3379



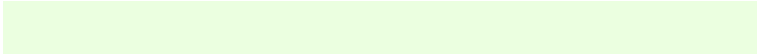
94.5640, 0.3064, 0.2999



94.5640, 0.3374, 0.3199

Sweetspot

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



94.5576, 0.3181, 0.3604



98.1326, 0.3145, 0.3389



91.1166, 0.3324, 0.3484



20.9311, 0.3148, 0.3408



0.0000, 0.0000, 0.0000



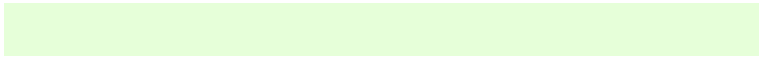
21.4041, 0.3127, 0.3290

Same Dimension

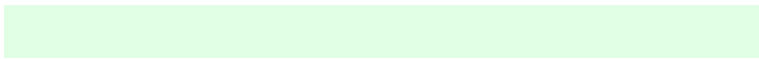
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.5576, 0.3181, 0.3604



93.3899, 0.3193, 0.3682



92.9715, 0.3089, 0.3567



20.4812, 0.3169, 0.3532



38.5912, 0.3191, 0.5849



3.8160, 0.3277, 0.5780

Inverse Universe

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



79.7537, 0.3066, 0.2982



75.4965, 0.3050, 0.2907



81.5156, 0.3168, 0.3028



17.9596, 0.3081, 0.3052



8.0194, 0.2333, 0.1059



0.8421, 0.2433, 0.1114

Previews

White Background



This preview shows how the Yxy color 94.5640, 0.3181, 0.3604 looks on a white background.

Color Contrast Check

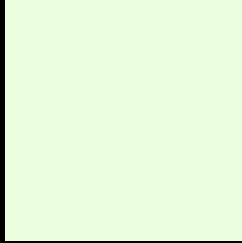
Large Text (above 18pt) WCAG AA × Fail

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 94.5640, 0.3181, 0.3604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

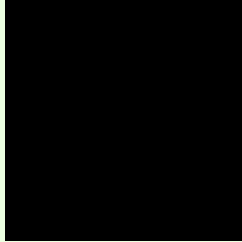
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

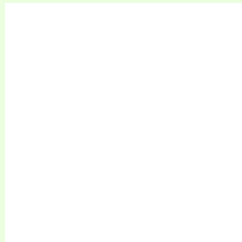
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.5640, 0.3181, 0.3604

Background



This preview shows how black text looks on a background with the Yxy color 94.5640, 0.3181, 0.3604.

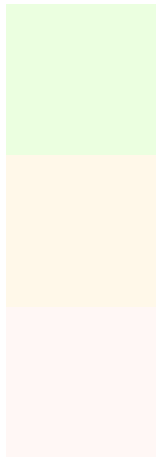


This preview shows how white text looks on a background with the Yxy color 94.5640, 0.3181, 0.3604.

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

94.5640, 0.3181, 0.3604

Protanopia

94.2780, 0.3263, 0.3436

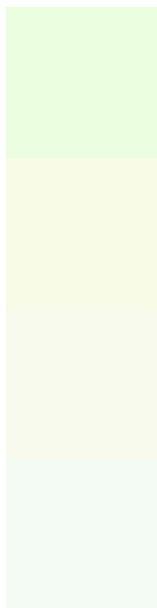
Deuteranopia

94.3741, 0.3191, 0.3309

Tritanopia

94.7455, 0.3080, 0.3232

Trichromacy



Original Color

94.5640, 0.3181, 0.3604

Protanomaly

94.6640, 0.3232, 0.3497

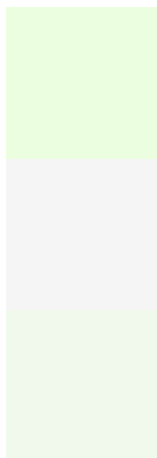
Deuteranomaly

94.4421, 0.3191, 0.3418

Tritanomaly

94.5807, 0.3118, 0.3359

Monochromacy



Original Color

94.5640, 0.3181, 0.3604

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

92.5666, 0.3147, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.5640, 0.3181, 0.3604 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(235, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 224)  
}
```

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(235, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 94.5640, 0.3181, 0.3604 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(235, 255, 224) }
```

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

```
.border{ border-color:rgb(235, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 255, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 255, 224); box-shadow:4px 4px 4px 4px rgb(235, 255, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 94.5640, 0.3181, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 224) }
```

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

```
.background{ background-color: rgb(235,  
255, 224) }
```

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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