

Converting Colors

$Y_{xy}(100.0000, 0.3157, 0.3801)$

Have a look what the booklet for
Yxy(100.0000, 0.3157, 0.3801)
contains.

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Color

Yxy(92.4854, 0.3164, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	E1FFD8
RGB	225, 255, 216
RGB Percent	88%, 100%, 85%
CMY	0.1175, 0.0000, 0.1528
CMYK	0.12, 0.00, 0.15, 0.00
HSL	106°, 100%, 92%
HSV	106°, 15%, 100%
XYZ	79.2160, 92.4854, 78.6652
YIQ	241.5840, -5.3610, -18.4890

Conversions

Conversions Part 2

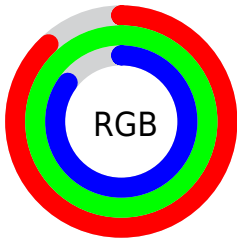
Format	Color
R _Y B	216, 255, 246
Decimal	14811096
CIE Lab	97.02, -16.61, 15.40
CIE LCh	97, 22.649, 137.169
Yxy	92.4854, 0.3164, 0.3694
Android (android.graphics.Color)	4293001176 (0xFFE1FFD8)
YUV	241.5840, -12.6129, -14.5442
Hunter-Lab	96.1693, -21.2635, 18.8201

Details

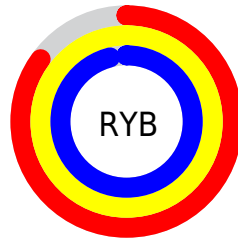
The Yxy color **92.4854, 0.3164, 0.3694** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.9433, 0.3082, 0.2903**, and the grayscale version is **88.5597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.3964, 0.3167, 0.3786** is the 20% darker color. If you saturate the color by 10%, you get **88.2969, 0.3185, 0.3994**, and if you desaturate by 10%, it is **97.2486, 0.3140, 0.3422**.

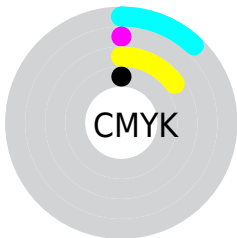
Distribution



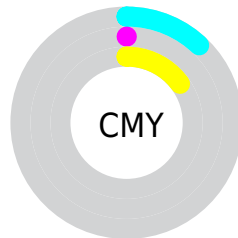
- Red (88%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.4854, 0.3164, 0.3694 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 92.4854, 0.3164, 0.3694 by changing the saturation by 10% instead.

 92.4854, 0.3164,
0.3694

 92.4854, 0.3164,
0.3694

536.0830, 0.3150,
0.3510

 70.0439, 0.3167,
0.3735


150.7860, 0.3160,
0.3631

 51.5623, 0.3169,
0.3786


187.4138, 0.3158,
0.3606

 36.6563, 0.3172,
0.3849


229.5391, 0.3156,
0.3585

 24.9415, 0.3175,
0.3931

277.5465, 0.3155,
0.3566

 16.0335, 0.3178,
0.4040

331.8201, 0.3153,
0.3550

 9.5478, 0.3179,
0.4195

392.7445, 0.3152,

 5.1002, 0.3175,

0.3535

0.4427

460.7040, 0.3151,
0.3522

■ 2.3062, 0.3153,
0.4813

■ 0.7770, 0.3000,
0.7000

■ 92.4854, 0.3164,
0.3694

■ 92.4854, 0.3164,
0.3694

■ 88.2969, 0.3185,
0.3994

■ 97.2486, 0.3140,
0.3422

■ 84.6497, 0.3201,
0.4318

99.9974, 0.3127,
0.3290

■ 81.5246, 0.3210,
0.4654

■ 78.8970, 0.3210,
0.4989

■ 76.7400, 0.3198,
0.5301

■ 75.0241, 0.3174,
0.5569

■ 73.7161, 0.3140,
0.5771

■ 72.7773, 0.3098,
0.5899

■ 72.4429, 0.3078,
0.5938

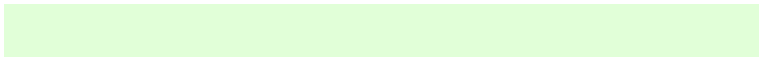
Harmonies

Analogous

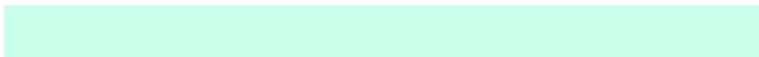
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4854, 0.3407, 0.3736



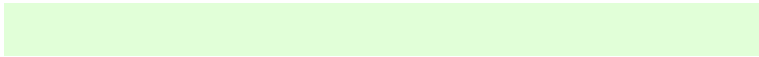
92.4854, 0.3164, 0.3694



92.4854, 0.2918, 0.3529

Triad

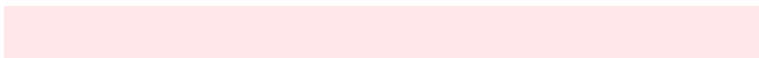
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.4854, 0.3164, 0.3694



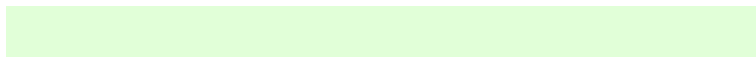
92.4854, 0.2691, 0.2921



92.4854, 0.3535, 0.3264

Complementary

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



92.4854, 0.3164, 0.3694



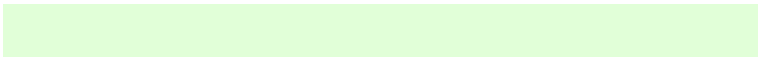
75.9433, 0.3082, 0.2903

Split Complementary

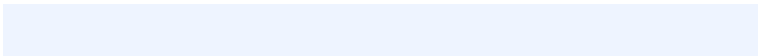
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4854, 0.3329, 0.3067



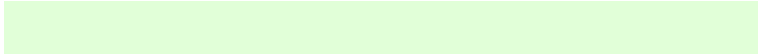
92.4854, 0.3164, 0.3694



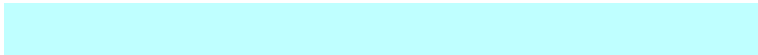
92.4854, 0.2842, 0.2871

Square

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



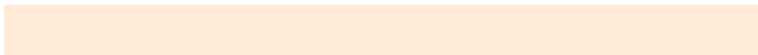
92.4854, 0.3164, 0.3694



92.4854, 0.2652, 0.3072



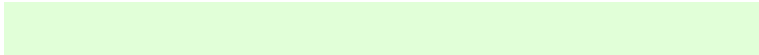
92.4854, 0.3074, 0.2925



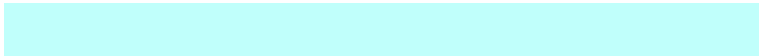
92.4854, 0.3627, 0.3476

Rectangle

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



92.4854, 0.3164, 0.3694



92.4854, 0.2785, 0.3376



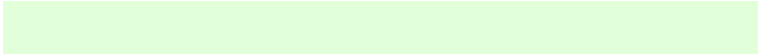
92.4854, 0.3074, 0.2925



92.4854, 0.3476, 0.3195

Sweetspot

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



92.4894, 0.3164, 0.3694



97.3931, 0.3140, 0.3415



92.0729, 0.3370, 0.3585



20.7702, 0.3141, 0.3433



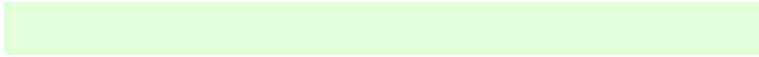
0.0000, 0.0000, 0.0000



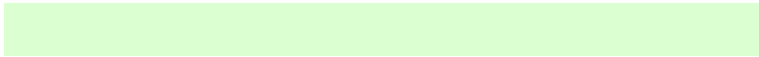
21.4041, 0.3127, 0.3290

Same Dimension

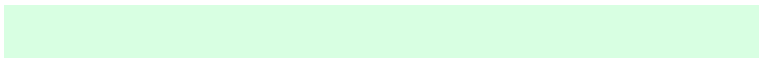
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.4894, 0.3164, 0.3694



91.2965, 0.3170, 0.3773



91.6362, 0.3050, 0.3589



20.3704, 0.3151, 0.3533



37.9095, 0.3087, 0.5931



3.7378, 0.3161, 0.5872

Inverse Universe

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



75.9433, 0.3082, 0.2903



72.1756, 0.3073, 0.2831



76.9580, 0.3215, 0.3009



18.0766, 0.3101, 0.3053



9.9853, 0.2630, 0.1222



1.0212, 0.2699, 0.1260

Previews

White Background



This preview shows how the Yxy color 92.4854, 0.3164, 0.3694 looks on a white background.

Color Contrast Check

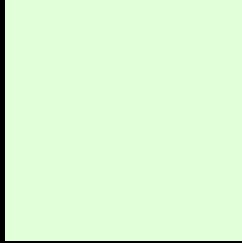
Large Text (above 18pt) WCAG AA × Fail

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 92.4854, 0.3164, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

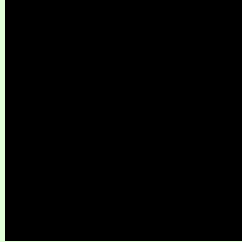
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

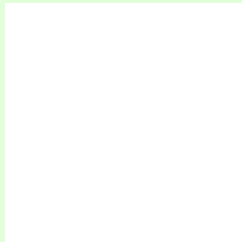
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.4854, 0.3164, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 92.4854, 0.3164, 0.3694.

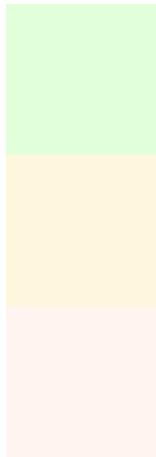


This preview shows how white text looks on a background with the Yxy color 92.4854, 0.3164, 0.3694.

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

92.4854, 0.3164, 0.3694

Protanopia

92.4455, 0.3333, 0.3526

Deuteranopia

92.2526, 0.3223, 0.3329

Tritanopia

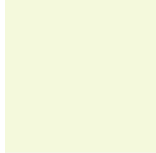
92.4423, 0.3043, 0.3211

Trichromacy



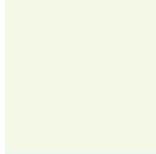
Original Color

92.4854, 0.3164, 0.3694



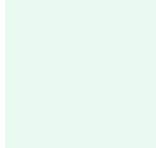
Protanomaly

92.1518, 0.3268, 0.3581



Deuteranomaly

92.1374, 0.3203, 0.3460



Tritanomaly

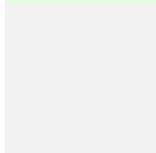
92.3843, 0.3085, 0.3380

Monochromacy



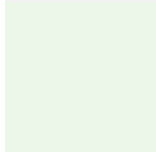
Original Color

92.4854, 0.3164, 0.3694



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.2376, 0.3140, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.4854, 0.3164, 0.3694 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(225, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 216)  
}
```

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(225, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 92.4854, 0.3164, 0.3694 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(225, 255, 216) }
```

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

```
.border{ border-color:rgb(225, 255, 216) }
```

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

Here you see how a box with a 4 pixel rgb(225, 255, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 92.4854, 0.3164, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 216) }
```

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

```
.background{ background-color: rgb(225,  
255, 216) }
```

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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