

Converting Colors

$Y_{xy}(100.0000, 0.3118, 0.3631)$

Have a look what the booklet for
Yxy(100.0000, 0.3118, 0.3631)
contains.

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Color

Yxy(94.2221, 0.3121, 0.3544)

Conversions

Conversions Part 1

Format	Color
Hex	E7FFE6
RGB	231, 255, 230
RGB Percent	91%, 100%, 90%
CMY	0.0944, 0.0000, 0.0981
CMYK	0.09, 0.00, 0.10, 0.00
HSL	118°, 100%, 95%
HSV	118°, 10%, 100%
XYZ	82.9761, 94.2221, 88.6655
YIQ	244.9740, -6.2790, -12.8630

Conversions

Conversions Part 2

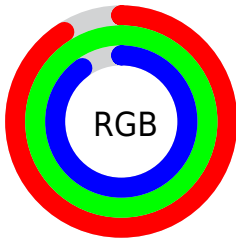
Format	Color
R_{YB}	230, 255, 254
Decimal	15204326
CIE _{Lab}	97.72, -12.31, 9.31
CIE _{LCh}	98, 15.432, 142.911
Yxy	94.2221, 0.3121, 0.3544
Android (android.graphics.Color)	4293394406 (0xFFE7FFE6)
YUV	244.9740, -7.3822, -12.2552
Hunter-Lab	97.0681, -17.2831, 13.7900

Details

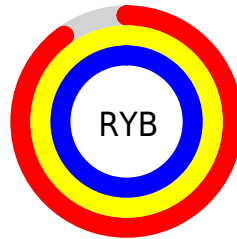
The Yxy color **94.2221, 0.3121, 0.3544** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.8907, 0.3132, 0.3048**, and the grayscale version is **91.3299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.5581, 0.3120, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **89.0772, 0.3113, 0.3837**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

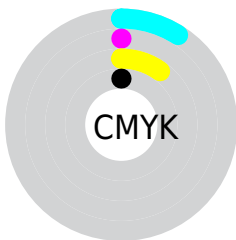
Distribution



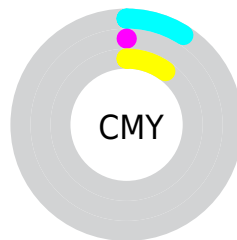
- Red (91%)
- Green (100%)
- Blue (90%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 94.2221, 0.3121, 0.3544 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 94.2221, 0.3121, 0.3544 by changing the saturation by 10% instead.

 94.2221, 0.3121,
0.3544

 94.2221, 0.3121,
0.3544


541.6716, 0.3125,
0.3430

 71.4877, 0.3120,
0.3569


153.1895, 0.3122,
0.3505

 52.7403, 0.3119,
0.3600


190.1912, 0.3123,
0.3490

 37.5955, 0.3117,
0.3639


232.7176, 0.3123,
0.3476

 25.6689, 0.3114,
0.3689

281.1528, 0.3124,
0.3465

 16.5761, 0.3110,
0.3755

335.8815, 0.3124,
0.3454

 9.9327, 0.3104,
0.3847

397.2879, 0.3124,

 5.3544, 0.3093,

0.3445

0.3985

465.7565, 0.3125,
0.3437

■ 2.4567, 0.3070,
0.4212

■ 0.8548, 0.3109,
0.5191

■ 94.2221, 0.3121,
0.3544

■ 94.2221, 0.3121,
0.3544

■ 89.0772, 0.3113,
0.3837


100.0000, 0.3127,
0.3290

■ 84.6965, 0.3103,
0.4162


■ 81.0304, 0.3091,
0.4512


■ 78.0410, 0.3076,
0.4871

 75.6870, 0.3060,
0.5218

 73.9222, 0.3044,
0.5526

 72.6947, 0.3028,
0.5766

 71.9432, 0.3014,
0.5921

 71.5853, 0.3005,
0.5995

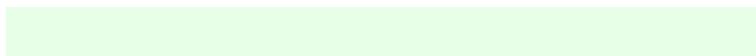
Harmonies

Analogous

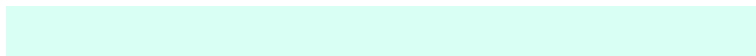
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2221, 0.3289, 0.3591



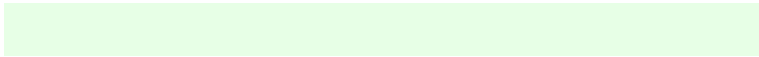
94.2221, 0.3121, 0.3544



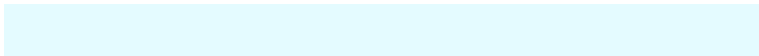
94.2221, 0.2958, 0.3423

Triad

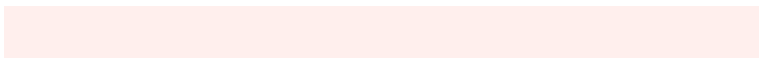
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.2221, 0.3121, 0.3544



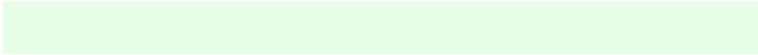
94.2221, 0.2843, 0.3027



94.2221, 0.3421, 0.3303

Complementary

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



94.2221, 0.3121, 0.3544



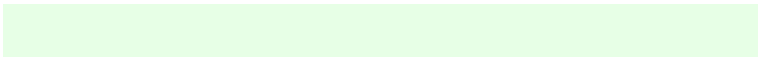
84.8907, 0.3132, 0.3048

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.



94.2221, 0.3295, 0.3161



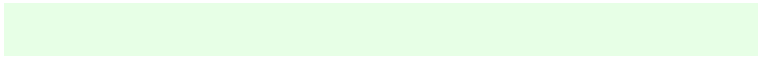
94.2221, 0.3121, 0.3544



94.2221, 0.2961, 0.3004

Square

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



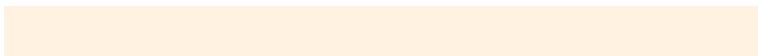
94.2221, 0.3121, 0.3544



94.2221, 0.2800, 0.3121



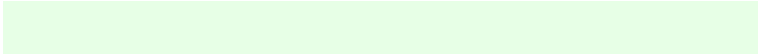
94.2221, 0.3126, 0.3053



94.2221, 0.3465, 0.3446

Rectangle

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



94.2221, 0.3121, 0.3544



94.2221, 0.2873, 0.3319



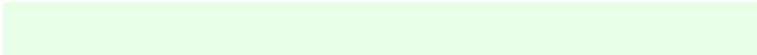
94.2221, 0.3126, 0.3053



94.2221, 0.3386, 0.3254

Sweetspot

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



94.2076, 0.3121, 0.3544



98.1467, 0.3125, 0.3364



97.6971, 0.3275, 0.3521



20.9040, 0.3125, 0.3384



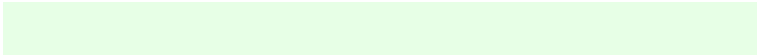
0.0000, 0.0000, 0.0000



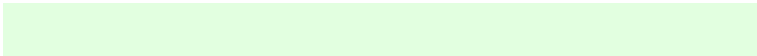
21.4041, 0.3127, 0.3290

Same Dimension

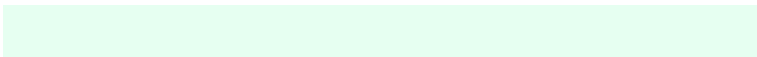
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.2076, 0.3121, 0.3544



93.0176, 0.3119, 0.3605



94.7063, 0.3052, 0.3428



20.2003, 0.3121, 0.3535



37.4166, 0.3008, 0.5994



3.6539, 0.3026, 0.5980

Inverse Universe

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



84.8907, 0.3132, 0.3048



81.7915, 0.3133, 0.2993



84.3627, 0.3210, 0.3156



18.2639, 0.3132, 0.3055



13.9804, 0.3116, 0.1490



1.3715, 0.3128, 0.1497

Previews

White Background



This preview shows how the Yxy color 94.2221, 0.3121, 0.3544 looks on a white background.

Color Contrast Check

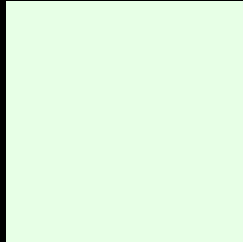
Large Text (above 18pt) WCAG AA × Fail

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 94.2221, 0.3121, 0.3544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

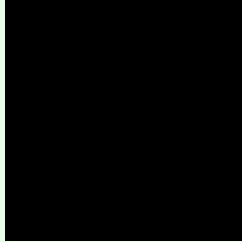
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

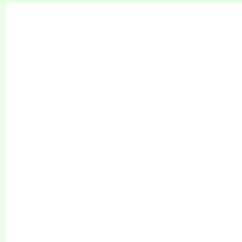
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.2221, 0.3121, 0.3544

Background



This preview shows how black text looks on a background with the Yxy color 94.2221, 0.3121, 0.3544.

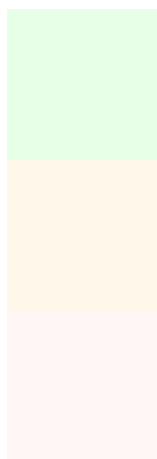


This preview shows how white text looks on a background with the Yxy color 94.2221, 0.3121, 0.3544.

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

94.2221, 0.3121, 0.3544

Protanopia

93.6647, 0.3264, 0.3427

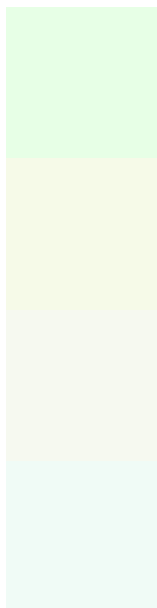
Deuteranopia

93.7641, 0.3191, 0.3300

Tritanopia

94.3838, 0.3067, 0.3232

Trichromacy



Original Color

94.2221, 0.3121, 0.3544

Protanomaly

93.7902, 0.3208, 0.3468

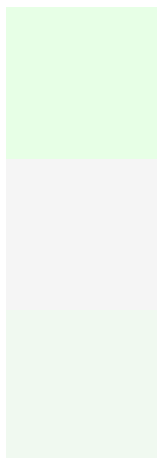
Deuteranomaly

93.6355, 0.3161, 0.3379

Tritanomaly

94.1734, 0.3087, 0.3339

Monochromacy



Original Color

94.2221, 0.3121, 0.3544

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

92.5679, 0.3123, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.2221, 0.3121, 0.3544 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(231, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 230)  
}
```

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(231, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 94.2221, 0.3121, 0.3544 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(231, 255, 230) }
```

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

```
.border{ border-color:rgb(231, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 94.2221, 0.3121, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 230) }
```

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

```
.background{ background-color: rgb(231,  
255, 230) }
```

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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