

Converting Colors

$Y_{xy}(102.7562, 0.3305, 0.3910)$

Have a look what the booklet for
Yxy(102.7562, 0.3305, 0.3910)
contains.

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Color

Yxy(94.4530, 0.3325, 0.3796)

Conversions

Conversions Part 1

Format	Color
Hex	F0FFCD
RGB	240, 255, 205
RGB Percent	94%, 100%, 80%
CMY	0.0585, 0.0001, 0.1960
CMYK	0.06, 0.00, 0.20, 0.00
HSL	78°, 100%, 90%
HSV	78°, 20%, 100%
XYZ	82.7335, 94.4530, 71.6360
YIQ	244.8150, 7.1100, -18.7300

Conversions

Conversions Part 2

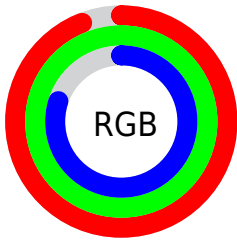
Format	Color
R _Y B	205, 255, 220
Decimal	15794125
CIE Lab	97.81, -13.18, 22.28
CIE LCh	98, 25.887, 120.597
Yxy	94.4530, 0.3325, 0.3796
Android (android.graphics.Color)	4293984205 (0xFFFF0FFCD)
YUV	244.8150, -19.6288, -4.2228
Hunter-Lab	97.1869, -18.1233, 24.3285

Details

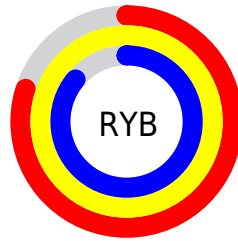
The Yxy color **94.4530, 0.3325, 0.3796** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.0931, 0.2901, 0.2763**, and the grayscale version is **91.3222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.8129, 0.3363, 0.3900** is the 20% darker color. If you saturate the color by 10%, you get **92.0195, 0.3424, 0.4072**, and if you desaturate by 10%, it is **97.1513, 0.3224, 0.3530**.

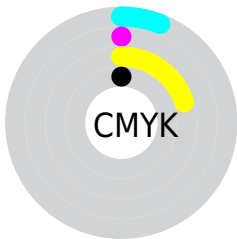
Distribution



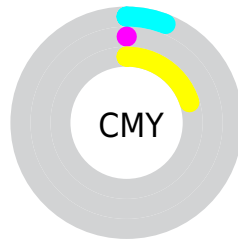
- Red (94%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (86%)



- Cyan (6%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.4530, 0.3325, 0.3796 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 94.4530, 0.3325, 0.3796 by changing the saturation by 10% instead.

 94.4530, 0.3325,
0.3796

 94.4530, 0.3325,
0.3796

542.4123, 0.3241,
0.3568

 71.6798, 0.3343,
0.3847

153.5087, 0.3297,
0.3718

 52.8971, 0.3363,
0.3909


190.5600, 0.3286,
0.3687

 37.7207, 0.3389,
0.3986

233.1394, 0.3276,
0.3661

 25.7660, 0.3419,
0.4084

281.6313, 0.3267,
0.3637

 16.6486, 0.3458,
0.4215

336.4202, 0.3260,
0.3617

 9.9843, 0.3505,
0.4395

397.8904, 0.3253,

 5.3885, 0.3564,

0.3599

0.4658

466.4263, 0.3246,
0.3582

■ 2.4770, 0.3662,
0.5120

■ 0.8651, 0.3665,
0.6335

■ 94.4530, 0.3325,
0.3796

■ 94.4530, 0.3325,
0.3796

■ 92.0195, 0.3424,
0.4072

■ 97.1513, 0.3224,
0.3530

■ 89.8281, 0.3515,
0.4350

99.9910, 0.3127,
0.3290

■ 87.8716, 0.3595,
0.4620

■ 86.1379, 0.3657,
0.4870

■ 84.6134, 0.3697,
0.5088

■ 83.2826, 0.3711,
0.5263

■ 82.1272, 0.3700,
0.5389

■ 81.1193, 0.3667,
0.5469

■ 81.0805, 0.3666,
0.5472

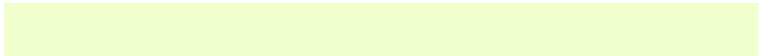
Harmonies

Analogous

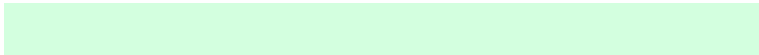
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4530, 0.3566, 0.3758



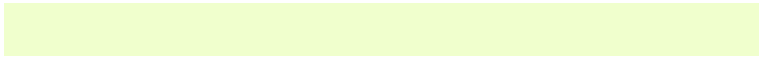
94.4530, 0.3325, 0.3796



94.4530, 0.3039, 0.3682

Triad

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



94.4530, 0.3325, 0.3796



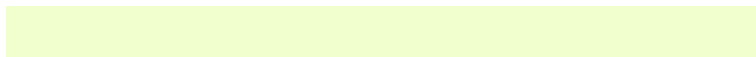
94.4530, 0.2593, 0.2952



94.4530, 0.3473, 0.3132

Complementary

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



94.4530, 0.3325, 0.3796



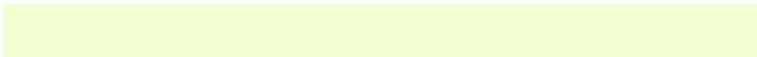
66.0931, 0.2901, 0.2763

Split Complementary

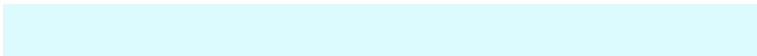
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.4530, 0.3197, 0.2939



94.4530, 0.3325, 0.3796



94.4530, 0.2696, 0.2832

Square

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



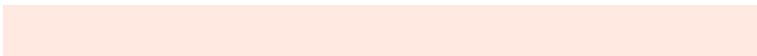
94.4530, 0.3325, 0.3796



94.4530, 0.2625, 0.3175



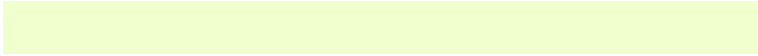
94.4530, 0.2913, 0.2831



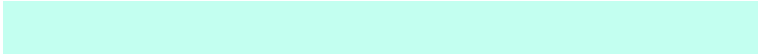
94.4530, 0.3657, 0.3367

Rectangle

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



94.4530, 0.3325, 0.3796



94.4530, 0.2861, 0.3534



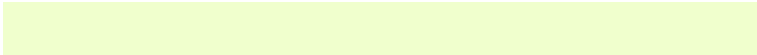
94.4530, 0.2913, 0.2831



94.4530, 0.3387, 0.3060

Sweetspot

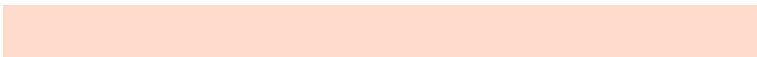
The Sweet Spot groups the original color and five complimentary colors.



94.4571, 0.3325, 0.3796



98.1976, 0.3187, 0.3439



76.4191, 0.3489, 0.3435



20.9776, 0.3194, 0.3455



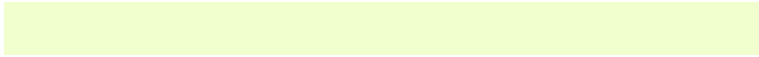
0.0000, 0.0000, 0.0000



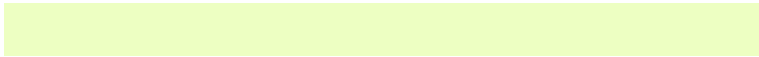
21.4041, 0.3127, 0.3290

Same Dimension

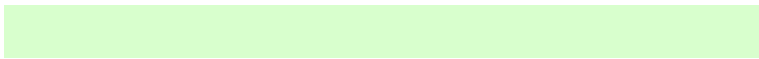
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.4571, 0.3325, 0.3796



93.3648, 0.3369, 0.3917



90.4942, 0.3169, 0.3821



20.8026, 0.3223, 0.3528



42.4529, 0.3674, 0.5465



4.1903, 0.3735, 0.5416

Inverse Universe

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



66.0931, 0.2901, 0.2763



59.7215, 0.2841, 0.2632



70.1500, 0.3072, 0.2790



17.6405, 0.3025, 0.3048



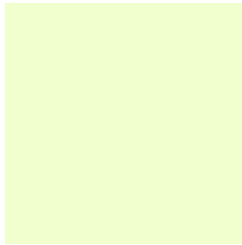
4.6449, 0.1698, 0.0709



0.5060, 0.1815, 0.0774

Previews

White Background



This preview shows how the Yxy color 94.4530, 0.3325, 0.3796 looks on a white background.

Color Contrast Check

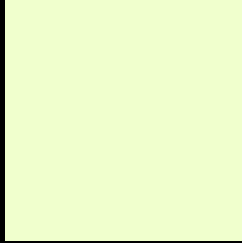
Large Text (above 18pt) WCAG AA × Fail

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 94.4530, 0.3325, 0.3796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

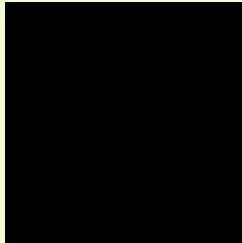
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

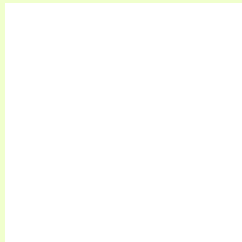
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.4530, 0.3325, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 94.4530, 0.3325, 0.3796.

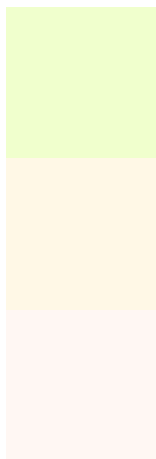


This preview shows how white text looks on a background with the Yxy color 94.4530, 0.3325, 0.3796.

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

94.4530, 0.3325, 0.3796

Protanopia

94.1080, 0.3281, 0.3466

Deuteranopia

94.2526, 0.3203, 0.3329

Tritanopia

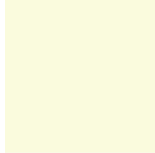
94.4945, 0.3092, 0.3222

Trichromacy



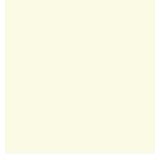
Original Color

94.4530, 0.3325, 0.3796



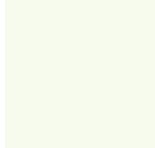
Protanomaly

94.5388, 0.3300, 0.3587



Deuteranomaly

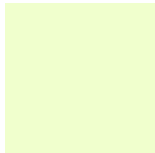
94.3524, 0.3252, 0.3497



Tritanomaly

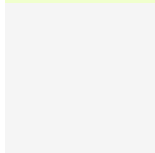
94.7016, 0.3178, 0.3428

Monochromacy



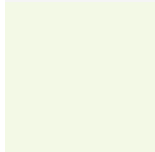
Original Color

94.4530, 0.3325, 0.3796



Achromatopsia

91.3099, 0.3127, 0.3290



Achromatomaly

92.5192, 0.3202, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.4530, 0.3325, 0.3796 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(240, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 205)  
}
```

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(240, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 94.4530, 0.3325, 0.3796 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(240, 255, 205) }
```

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

```
.border{ border-color:rgb(240, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 94.4530, 0.3325, 0.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 205) }
```

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

```
.background{ background-color: rgb(240,  
255, 205) }
```

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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