

Converting Colors

$Y_{xy}(231.2332, 0.3183, 0.4866)$

Have a look what the booklet for
Yxy(231.2332, 0.3183, 0.4866)
contains.

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Color

Yxy(94.6615, 0.3355, 0.3825)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFCA
RGB	242, 255, 202
RGB Percent	95%, 100%, 79%
CMY	0.0512, 0.0000, 0.2077
CMYK	0.05, 0.00, 0.21, 0.00
HSL	75°, 100%, 90%
HSV	75°, 21%, 100%
XYZ	83.0299, 94.6615, 69.7897
YIQ	245.0710, 9.2650, -19.2390

Conversions

Conversions Part 2

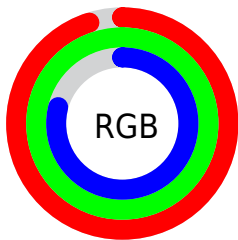
Format	Color
R _Y B	202, 255, 215
Decimal	15925194
CIE Lab	97.90, -12.97, 23.93
CIE LCh	98, 27.222, 118.449
Yxy	94.6615, 0.3355, 0.3825
Android (android.graphics.Color)	4294115274 (0xFFFF2FFCA)
YUV	245.0710, -21.2340, -2.6933
Hunter-Lab	97.2941, -17.9346, 25.5768

Details

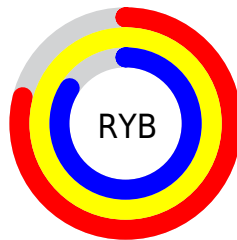
The Yxy color **94.6615, 0.3355, 0.3825** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.9333, 0.2866, 0.2726**, and the grayscale version is **91.5301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.9654, 0.3402, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **92.4532, 0.3462, 0.4097**, and if you desaturate by 10%, it is **97.0949, 0.3245, 0.3560**.

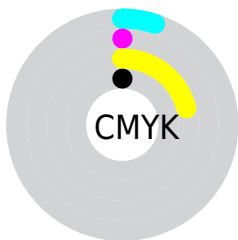
Distribution



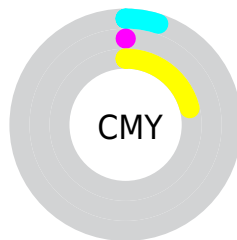
- Red (95%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (84%)



- Cyan (5%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.6615, 0.3355, 0.3825 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 94.6615, 0.3355, 0.3825 by changing the saturation by 10% instead.

 94.6615, 0.3355,
0.3825

 94.6615, 0.3355,
0.3825


543.0807, 0.3258,
0.3584

 71.8533, 0.3375,
0.3878

153.7969, 0.3323,
0.3743

 53.0388, 0.3399,
0.3944


190.8928, 0.3310,
0.3710

 37.8338, 0.3428,
0.4025


233.5201, 0.3299,
0.3682

 25.8537, 0.3464,
0.4128

282.0631, 0.3289,
0.3658

 16.7142, 0.3508,
0.4265

336.9063, 0.3280,
0.3636

 10.0309, 0.3563,
0.4453

398.4341, 0.3272,

 5.4195, 0.3630,

0.3617

0.4725

467.0307, 0.3264,
0.3599

■ 2.4954, 0.3759,
0.5227

■ 0.8743, 0.3704,
0.6296

■ 94.6615, 0.3355,
0.3825

■ 94.6615, 0.3355,
0.3825

■ 92.4532, 0.3462,
0.4097

■ 97.0949, 0.3245,
0.3560

■ 90.4788, 0.3562,
0.4368

99.7819, 0.3135,
0.3309

■ 88.7210, 0.3650,
0.4628

100.0000, 0.3127,
0.3290

■ 87.1677, 0.3719,
0.4865

■ 85.8055, 0.3765,
0.5067

■ 84.6190, 0.3785,
0.5226

■ 83.5899, 0.3780,
0.5336

■ 82.7535, 0.3755,
0.5400

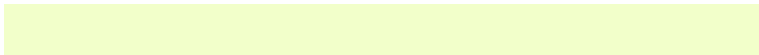
Harmonies

Analogous

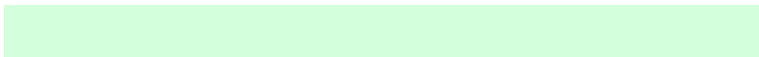
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6615, 0.3602, 0.3772



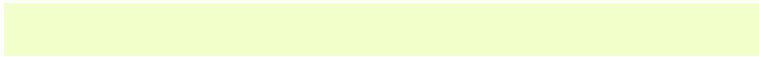
94.6615, 0.3355, 0.3825



94.6615, 0.3055, 0.3717

Triad

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



94.6615, 0.3355, 0.3825



94.6615, 0.2565, 0.2948



94.6615, 0.3472, 0.3107

Complementary

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



94.6615, 0.3355, 0.3825



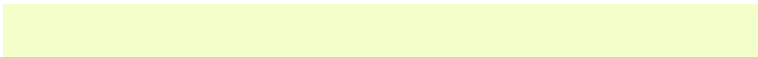
63.9333, 0.2866, 0.2726

Split Complementary

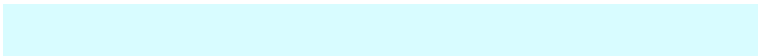
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.6615, 0.3178, 0.2911



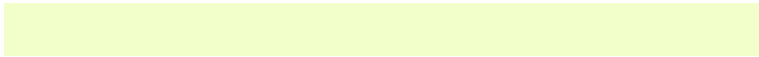
94.6615, 0.3355, 0.3825



94.6615, 0.2663, 0.2814

Square

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



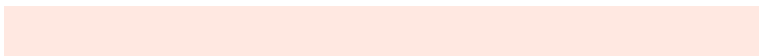
94.6615, 0.3355, 0.3825



94.6615, 0.2608, 0.3188



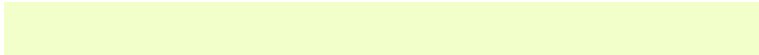
94.6615, 0.2883, 0.2805



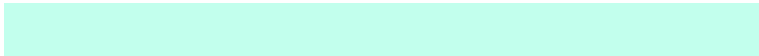
94.6615, 0.3675, 0.3352

Rectangle

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



94.6615, 0.3355, 0.3825



94.6615, 0.2866, 0.3566



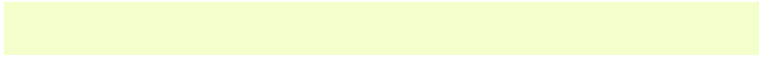
94.6615, 0.2883, 0.2805



94.6615, 0.3380, 0.3034

Sweetspot

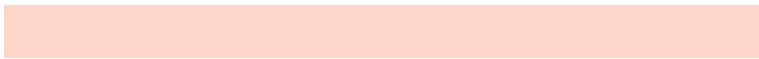
The Sweet Spot groups the original color and five complimentary colors.



94.6552, 0.3355, 0.3825



98.3459, 0.3192, 0.3438



73.8162, 0.3521, 0.3417



21.0127, 0.3199, 0.3455



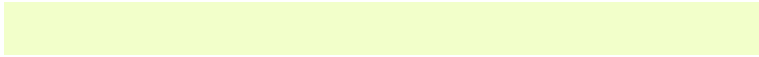
0.0000, 0.0000, 0.0000



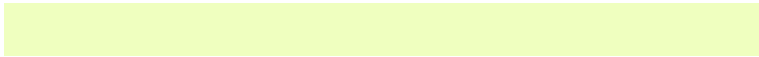
21.4041, 0.3127, 0.3290

Same Dimension

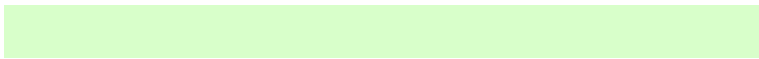
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.6552, 0.3355, 0.3825



93.6959, 0.3401, 0.3939



90.4083, 0.3188, 0.3854



20.8523, 0.3231, 0.3527



43.3140, 0.3763, 0.5394



4.2683, 0.3814, 0.5354

Inverse Universe

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



63.9333, 0.2866, 0.2726



57.8487, 0.2803, 0.2597



68.1538, 0.3049, 0.2755



17.5937, 0.3017, 0.3047



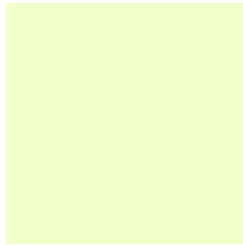
4.3792, 0.1639, 0.0677



0.4748, 0.1748, 0.0737

Previews

White Background



This preview shows how the Yxy color 94.6615, 0.3355, 0.3825 looks on a white background.

Color Contrast Check

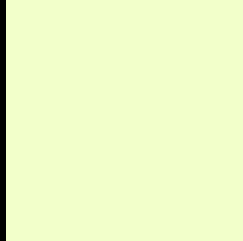
Large Text (above 18pt) WCAG AA × Fail

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 94.6615, 0.3355, 0.3825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

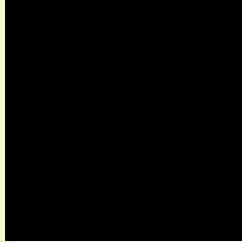
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

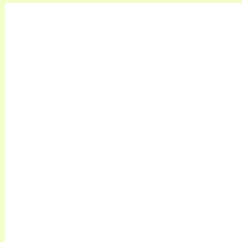
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.6615, 0.3355, 0.3825

Background



This preview shows how black text looks on a background with the Yxy color 94.6615, 0.3355, 0.3825.



This preview shows how white text looks on a background with the Yxy color 94.6615, 0.3355, 0.3825.

Color Blindness Simulation

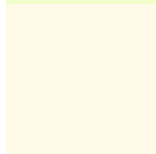
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



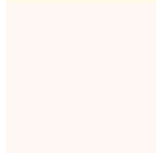
Original Color

94.6615, 0.3355, 0.3825



Protanopia

94.7809, 0.3274, 0.3466



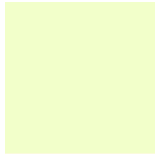
Deuteranopia

94.2526, 0.3203, 0.3329

Tritanopia

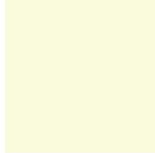
94.6788, 0.3099, 0.3223

Trichromacy



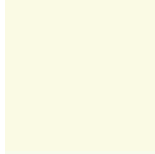
Original Color

94.6615, 0.3355, 0.3825



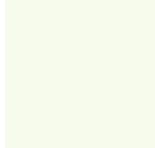
Protanomaly

94.4857, 0.3306, 0.3597



Deuteranomaly

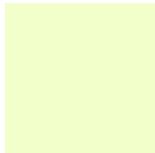
94.2966, 0.3258, 0.3507



Tritanomaly

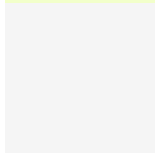
94.8246, 0.3190, 0.3438

Monochromacy



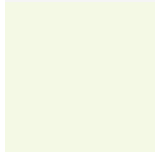
Original Color

94.6615, 0.3355, 0.3825



Achromatopsia

91.3099, 0.3127, 0.3290



Achromatomaly

92.6416, 0.3214, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.6615, 0.3355, 0.3825 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(242, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 202)  
}
```

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(242, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 94.6615, 0.3355, 0.3825 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(242, 255, 202) }
```

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

```
.border{ border-color:rgb(242, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 94.6615, 0.3355, 0.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 202) }
```

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

```
.background{ background-color: rgb(242,  
255, 202) }
```

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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