

Converting Colors

$Y_{xy}(100.0000, 0.3206, 0.3738)$

Have a look what the booklet for
Yxy(100.0000, 0.3206, 0.3738)
contains.

Yxy(94.2966, 0.3210, 0.3655)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(94.2966, 0.3210, 0.3655)

Conversions

Conversions Part 1

Format	Color
Hex	EBFFDB
RGB	235, 255, 219
RGB Percent	92%, 100%, 86%
CMY	0.0784, 0.0000, 0.1410
CMYK	0.08, 0.00, 0.14, 0.00
HSL	93°, 100%, 93%
HSV	93°, 14%, 100%
XYZ	82.8159, 94.2966, 80.8809
YIQ	244.9160, -0.3640, -15.4360

Conversions

Conversions Part 2

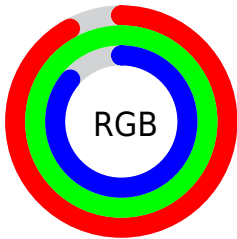
Format	Color
R _Y B	219, 255, 239
Decimal	15466459
CIE Lab	97.75, -12.75, 14.99
CIE LCh	98, 19.679, 130.373
Yxy	94.2966, 0.3210, 0.3655
Android (android.graphics.Color)	4293656539 (0xFFEBFFDB)
YUV	244.9160, -12.7766, -8.6963
Hunter-Lab	97.1064, -17.7050, 18.5913

Details

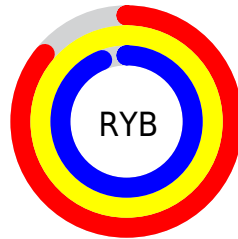
The Yxy color $94.2966, 0.3210, 0.3655$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $76.2582, 0.3033, 0.2928$, and the grayscale version is $91.3514, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $52.6522, 0.3225, 0.3734$ is the 20% darker color. If you saturate the color by 10%, you get $90.7419, 0.3266, 0.3940$, and if you desaturate by 10%, it is $98.2572, 0.3151, 0.3391$.

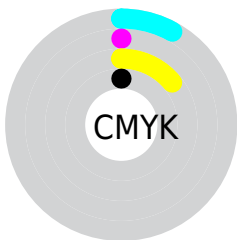
Distribution



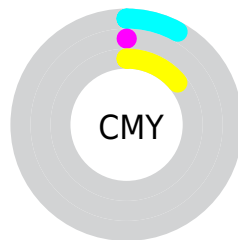
- Red (92%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (94%)



- Cyan (8%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 94.2966, 0.3210, 0.3655 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 94.2966, 0.3210, 0.3655 by changing the saturation by 10% instead.


 94.2966, 0.3210,
0.3655

 94.2966, 0.3210,
0.3655


541.9107, 0.3175,
0.3490

 71.5497, 0.3217,
0.3692


153.2925, 0.3199,
0.3599

 52.7909, 0.3226,
0.3736


190.3102, 0.3194,
0.3577

 37.6359, 0.3236,
0.3792

232.8537, 0.3190,
0.3557

 25.7002, 0.3248,
0.3864

281.3072, 0.3186,
0.3541

 16.5995, 0.3264,
0.3960

336.0553, 0.3183,
0.3526

 9.9494, 0.3283,
0.4093

397.4823, 0.3180,

 5.3654, 0.3306,

0.3513

0.4291

465.9727, 0.3178,
0.3501

■ 2.4632, 0.3331,
0.4614

■ 0.8581, 0.3702,
0.6298

■ 94.2966, 0.3210,
0.3655

■ 94.2966, 0.3210,
0.3655

■ 90.7419, 0.3266,
0.3940

■ 98.2572, 0.3151,
0.3391

■ 87.5672, 0.3318,
0.4243

99.9984, 0.3127,
0.3290

■ 84.7619, 0.3360,
0.4553

■ 82.3102, 0.3389,
0.4858

■ 80.1951, 0.3400,
0.5143

■ 78.3977, 0.3392,
0.5391

■ 76.8968, 0.3362,
0.5587

■ 75.6673, 0.3314,
0.5722

■ 75.0505, 0.3280,
0.5777

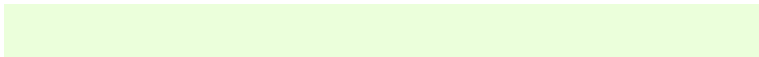
Harmonies

Analogous

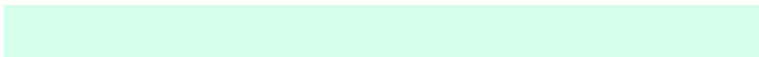
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2966, 0.3410, 0.3667



94.2966, 0.3210, 0.3655



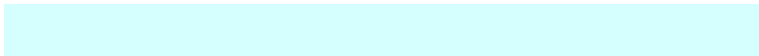
94.2966, 0.2993, 0.3535

Triad

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



94.2966, 0.3210, 0.3655



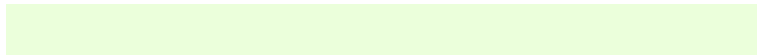
94.2966, 0.2732, 0.2994



94.2966, 0.3445, 0.3227

Complementary

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



94.2966, 0.3210, 0.3655



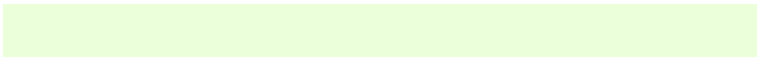
76.2582, 0.3033, 0.2928

Split Complementary

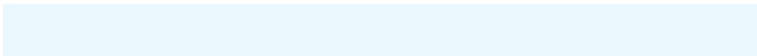
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.2966, 0.3254, 0.3063



94.2966, 0.3210, 0.3655



94.2966, 0.2844, 0.2928

Square

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



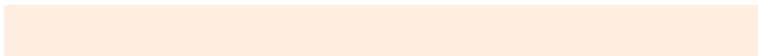
94.2966, 0.3210, 0.3655



94.2966, 0.2722, 0.3144



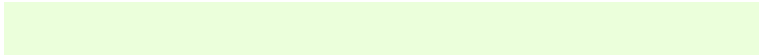
94.2966, 0.3033, 0.2955



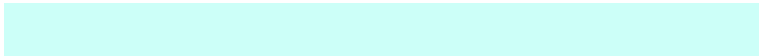
94.2966, 0.3550, 0.3413

Rectangle

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



94.2966, 0.3210, 0.3655



94.2966, 0.2867, 0.3411



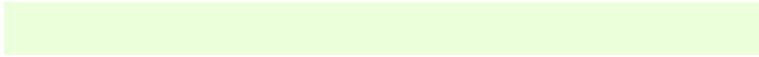
94.2966, 0.3033, 0.2955



94.2966, 0.3389, 0.3168

Sweetspot

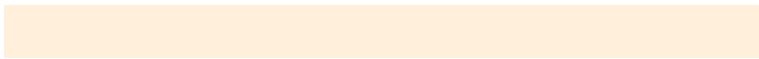
The Sweet Spot groups the original color and five complimentary colors.



94.3007, 0.3210, 0.3655



98.3013, 0.3151, 0.3389



88.0021, 0.3361, 0.3487



20.9737, 0.3155, 0.3408



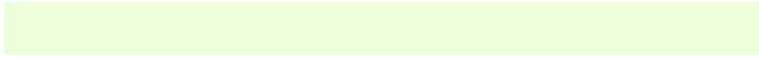
0.0000, 0.0000, 0.0000



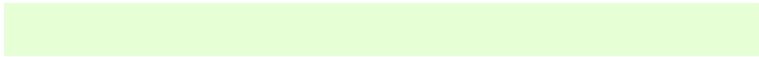
21.4041, 0.3127, 0.3290

Same Dimension

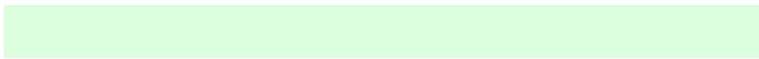
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.3007, 0.3210, 0.3655



93.2306, 0.3227, 0.3736



91.7967, 0.3099, 0.3647



20.5632, 0.3183, 0.3531



39.3017, 0.3292, 0.5768



3.8902, 0.3380, 0.5698

Inverse Universe

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



76.2582, 0.3033, 0.2928



71.9197, 0.3011, 0.2849



79.0486, 0.3155, 0.2957



17.8754, 0.3066, 0.3051



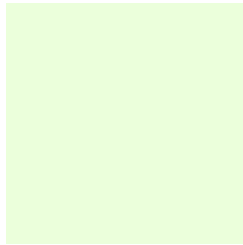
6.8526, 0.2134, 0.0949



0.7320, 0.2250, 0.1013

Previews

White Background



This preview shows how the Yxy color 94.2966, 0.3210, 0.3655 looks on a white background.

Color Contrast Check

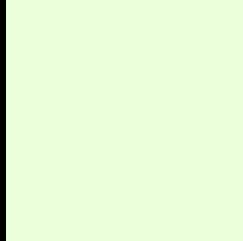
Large Text (above 18pt) WCAG AA × Fail

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 94.2966, 0.3210, 0.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

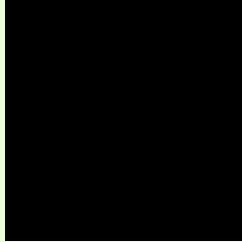
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

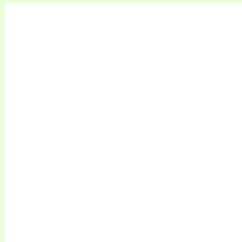
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.2966, 0.3210, 0.3655

Background



This preview shows how black text looks on a background with the Yxy color 94.2966, 0.3210, 0.3655.

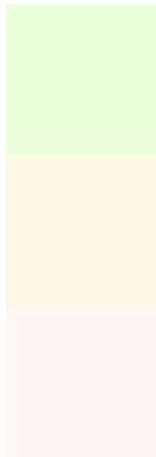


This preview shows how white text looks on a background with the Yxy color 94.2966, 0.3210, 0.3655.

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

94.2966, 0.3210, 0.3655

Protanopia

94.1643, 0.3275, 0.3456

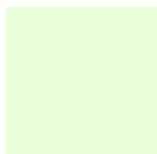
Deuteranopia

94.3132, 0.3197, 0.3319

Tritanopia

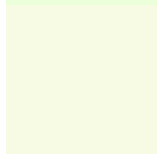
93.9476, 0.3074, 0.3222

Trichromacy



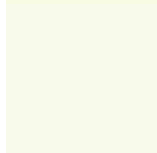
Original Color

94.2966, 0.3210, 0.3655



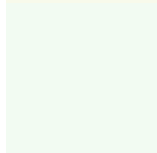
Protanomaly

94.4969, 0.3250, 0.3527



Deuteranomaly

94.3258, 0.3203, 0.3438



Tritanomaly

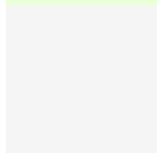
94.2824, 0.3123, 0.3379

Monochromacy



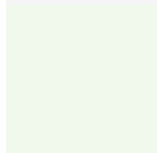
Original Color

94.2966, 0.3210, 0.3655



Achromatopsia

91.3099, 0.3127, 0.3290



Achromatomaly

92.5083, 0.3153, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.2966, 0.3210, 0.3655 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 94.2966, 0.3210, 0.3655 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, 219) }
```

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

```
.border{ border-color:rgb(235, 255, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 94.2966, 0.3210, 0.3655 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, 219) }
```

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

```
.background{ background-color: rgb(235,  
255, 219) }
```

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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