

Converting Colors

$Y_{xy}(154.3905, 0.3139, 0.4380)$

Have a look what the booklet for
Yxy(154.3905, 0.3139, 0.4380)
contains.

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Color

Yxy(92.8690, 0.3194, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	E4FFD6
RGB	228, 255, 214
RGB Percent	89%, 100%, 84%
CMY	0.1060, 0.0000, 0.1606
CMYK	0.11, 0.00, 0.16, 0.00
HSL	100°, 100%, 92%
HSV	100°, 16%, 100%
XYZ	79.8878, 92.8690, 77.3617
YIQ	242.2530, -2.9310, -18.4750

Conversions

Conversions Part 2

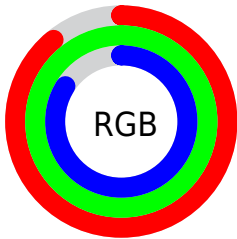
Format	Color
R_{YB}	214, 255, 241
Decimal	15007702
CIE _{Lab}	97.17, -15.96, 16.66
CIE _{LCh}	97, 23.071, 133.757
Yxy	92.8690, 0.3194, 0.3713
Android (android.graphics.Color)	4293197782 (0xFFE4FFD6)
YUV	242.2530, -13.9287, -12.4999
Hunter-Lab	96.3686, -20.6716, 19.8618

Details

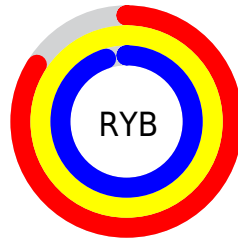
The Yxy color **92.8690, 0.3194, 0.3713** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.0507, 0.3048, 0.2879**, and the grayscale version is **89.1121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.6620, 0.3205, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **89.0423, 0.3232, 0.4009**, and if you desaturate by 10%, it is **97.1602, 0.3153, 0.3442**.

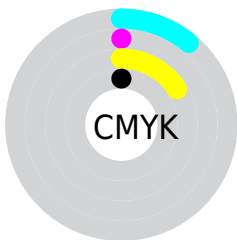
Distribution



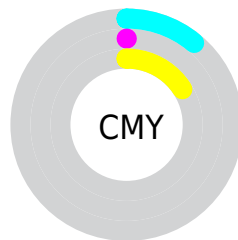
- Red (89%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (95%)



- Cyan (11%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.8690, 0.3194, 0.3713 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 92.8690, 0.3194, 0.3713 by changing the saturation by 10% instead.


 92.8690, 0.3194,
0.3713

 92.8690, 0.3194,
0.3713


537.3201, 0.3167,
0.3521

 70.3626, 0.3199,
0.3756


151.3172, 0.3185,
0.3647

 51.8222, 0.3206,
0.3809


188.0279, 0.3182,
0.3621

 36.8634, 0.3213,
0.3875


230.2421, 0.3179,
0.3599

 25.1017, 0.3221,
0.3960

278.3442, 0.3176,
0.3579

 16.1529, 0.3231,
0.4074

332.7187, 0.3173,
0.3562

 9.6324, 0.3241,
0.4234

393.7499, 0.3171,

 5.1559, 0.3249,

0.3547

0.4473

461.8222, 0.3169,
0.3533

■ 2.3390, 0.3246,
0.4870

■ 0.7943, 0.3151,
0.6849

■ 92.8690, 0.3194,
0.3713

■ 92.8690, 0.3194,
0.3713

■ 89.0423, 0.3232,
0.4009

■ 97.1602, 0.3153,
0.3442

■ 85.6744, 0.3265,
0.4323

100.0000, 0.3127,
0.3290

■ 82.7432, 0.3288,
0.4647

■ 80.2293, 0.3300,
0.4966

■ 78.1114, 0.3296,
0.5262

■ 76.3663, 0.3275,
0.5514

■ 74.9677, 0.3237,
0.5708

■ 73.8844, 0.3186,
0.5833

■ 73.5300, 0.3165,
0.5869

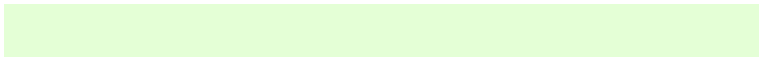
Harmonies

Analogous

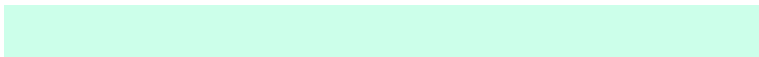
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8690, 0.3436, 0.3740



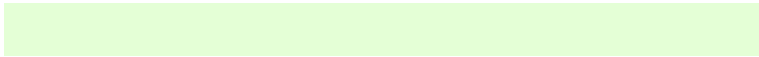
92.8690, 0.3194, 0.3713



92.8690, 0.2941, 0.3557

Triad

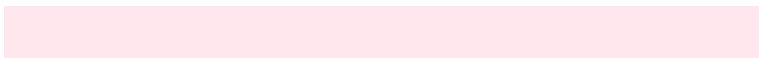
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.8690, 0.3194, 0.3713



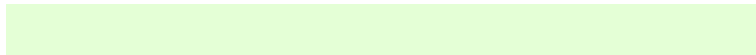
92.8690, 0.2673, 0.2927



92.8690, 0.3523, 0.3239

Complementary

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



92.8690, 0.3194, 0.3713



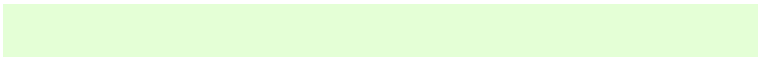
74.0507, 0.3048, 0.2879

Split Complementary

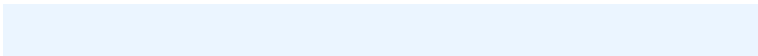
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.8690, 0.3304, 0.3043



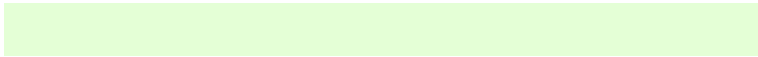
92.8690, 0.3194, 0.3713



92.8690, 0.2815, 0.2864

Square

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



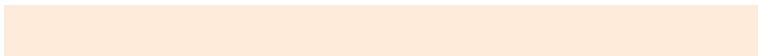
92.8690, 0.3194, 0.3713



92.8690, 0.2647, 0.3091



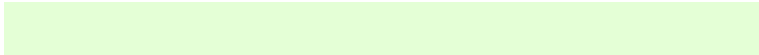
92.8690, 0.3044, 0.2908



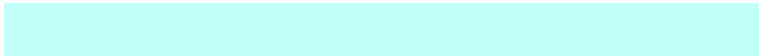
92.8690, 0.3632, 0.3455

Rectangle

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



92.8690, 0.3194, 0.3713



92.8690, 0.2800, 0.3405



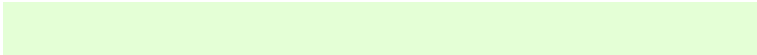
92.8690, 0.3044, 0.2908



92.8690, 0.3459, 0.3169

Sweetspot

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



92.8653, 0.3194, 0.3713



97.6443, 0.3148, 0.3414



88.8301, 0.3391, 0.3555



20.8311, 0.3151, 0.3432



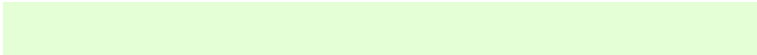
0.0000, 0.0000, 0.0000



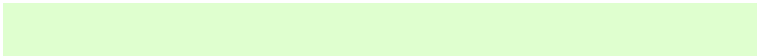
21.4041, 0.3127, 0.3290

Same Dimension

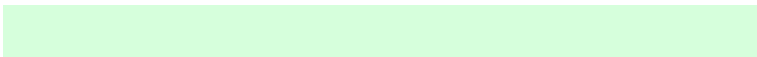
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.8653, 0.3194, 0.3713



91.6935, 0.3206, 0.3797



91.0001, 0.3072, 0.3657



20.4681, 0.3167, 0.3532



38.4944, 0.3176, 0.5860



3.8055, 0.3262, 0.5792

Inverse Universe

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



74.0507, 0.3048, 0.2879



69.8977, 0.3031, 0.2799



76.2062, 0.3187, 0.2949



17.9732, 0.3083, 0.3052



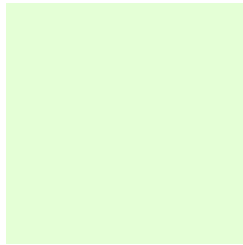
8.2276, 0.2367, 0.1077



0.8614, 0.2463, 0.1131

Previews

White Background



This preview shows how the Yxy color 92.8690, 0.3194, 0.3713 looks on a white background.

Color Contrast Check

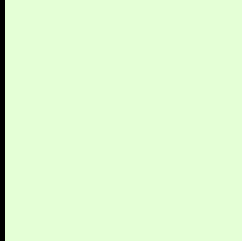
Large Text (above 18pt) WCAG AA × Fail

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 92.8690, 0.3194, 0.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

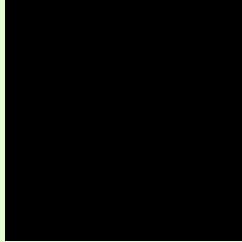
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

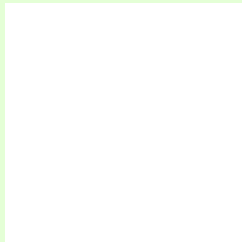
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.8690, 0.3194, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 92.8690, 0.3194, 0.3713.

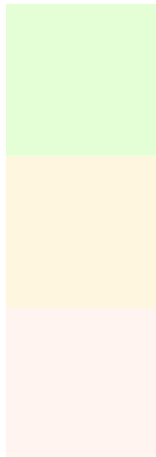


This preview shows how white text looks on a background with the Yxy color 92.8690, 0.3194, 0.3713.

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

92.8690, 0.3194, 0.3713

Protanopia

92.4992, 0.3327, 0.3516

Deuteranopia

92.2526, 0.3223, 0.3329

Tritanopia

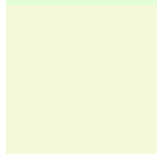
92.7962, 0.3055, 0.3212

Trichromacy



Original Color

92.8690, 0.3194, 0.3713



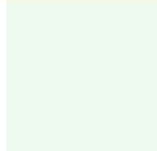
Protanomaly

92.3311, 0.3275, 0.3581



Deuteranomaly

92.3168, 0.3209, 0.3459



Tritanomaly

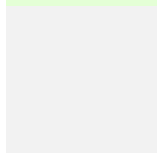
92.8396, 0.3110, 0.3390

Monochromacy



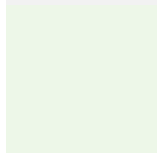
Original Color

92.8690, 0.3194, 0.3713



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.3522, 0.3152, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.8690, 0.3194, 0.3713 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(228, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 214)  
}
```

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(228, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 92.8690, 0.3194, 0.3713 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(228, 255, 214) }
```

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

```
.border{ border-color:rgb(228, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 92.8690, 0.3194, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 214) }
```

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

```
.background{ background-color: rgb(228,  
255, 214) }
```

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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