

Converting Colors

$Y_{xy}(122.1852, 0.3171, 0.4115)$

Have a look what the booklet for
Yxy(122.1852, 0.3171, 0.4115)
contains.

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Color

Yxy(92.6044, 0.3200, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	E3FFD4
RGB	227, 255, 212
RGB Percent	89%, 100%, 83%
CMY	0.1095, 0.0000, 0.1685
CMYK	0.11, 0.00, 0.17, 0.00
HSL	99°, 100%, 92%
HSV	99°, 17%, 100%
XYZ	79.3398, 92.6044, 75.9926
YIQ	241.7260, -2.8850, -19.3090

Conversions

Conversions Part 2

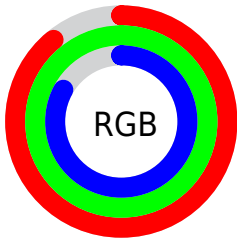
Format	Color
R _Y B	212, 255, 240
Decimal	14942164
CIE _{Lab}	97.07, -16.57, 17.54
CIE _{LCh}	97, 24.130, 133.382
Y _{xy}	92.6044, 0.3200, 0.3735
Android (android.graphics.Color)	4293132244 (0xFFE3FFD4)
YUV	241.7260, -14.6549, -12.9147
Hunter-Lab	96.2312, -21.2366, 20.5412

Details

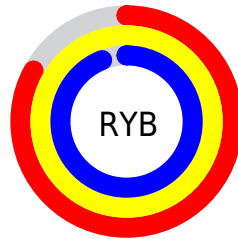
The Yxy color **92.6044, 0.3200, 0.3735** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.8315, 0.3041, 0.2857**, and the grayscale version is **88.6968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.4804, 0.3212, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **88.8543, 0.3240, 0.4032**, and if you desaturate by 10%, it is **96.8250, 0.3157, 0.3462**.

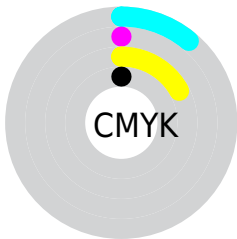
Distribution



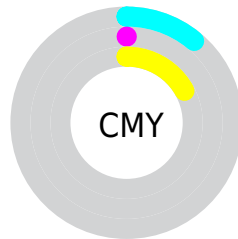
- Red (89%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (94%)



- Cyan (11%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 92.6044, 0.3200, 0.3735 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 92.6044, 0.3200, 0.3735 by changing the saturation by 10% instead.


 92.6044, 0.3200,
0.3735

 92.6044, 0.3200,
0.3735


536.4669, 0.3170,
0.3533

 70.1427, 0.3206,
0.3780

150.9508, 0.3191,
0.3665

 51.6429, 0.3213,
0.3836

187.6043, 0.3187,
0.3638

 36.7205, 0.3220,
0.3906


229.7573, 0.3183,
0.3615

 24.9912, 0.3229,
0.3996

277.7940, 0.3180,
0.3594

 16.0705, 0.3239,
0.4116

332.0990, 0.3177,
0.3576

 9.5740, 0.3250,
0.4285

393.0565, 0.3175,

 5.1175, 0.3259,

0.3560

0.4539

461.0510, 0.3173,
0.3546

■ 2.3163, 0.3256,
0.4963

■ 0.7823, 0.3023,
0.6977

■ 92.6044, 0.3200,
0.3735

■ 92.6044, 0.3200,
0.3735

■ 88.8543, 0.3240,
0.4032

■ 96.8250, 0.3157,
0.3462

■ 85.5460, 0.3273,
0.4347

99.9919, 0.3127,
0.3290

■ 82.6656, 0.3298,
0.4669

■ 80.1938, 0.3309,
0.4985

■ 78.1097, 0.3305,
0.5277

■ 76.3904, 0.3283,
0.5524

■ 75.0097, 0.3244,
0.5712

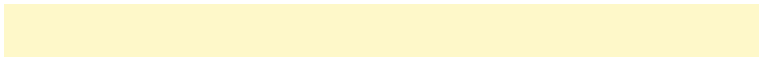
■ 73.9366, 0.3192,
0.5832

■ 73.6505, 0.3175,
0.5861

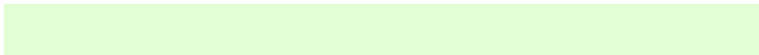
Harmonies

Analogous

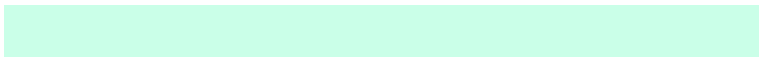
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6044, 0.3453, 0.3761



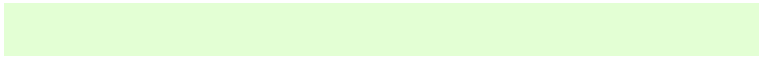
92.6044, 0.3200, 0.3735



92.6044, 0.2935, 0.3573

Triad

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



92.6044, 0.3200, 0.3735



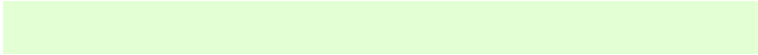
92.6044, 0.2651, 0.2911



92.6044, 0.3539, 0.3234

Complementary

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



92.6044, 0.3200, 0.3735



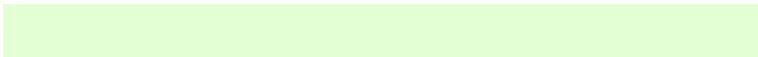
72.8315, 0.3041, 0.2857

Split Complementary

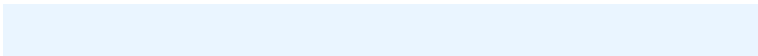
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.6044, 0.3309, 0.3030



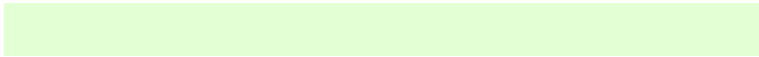
92.6044, 0.3200, 0.3735



92.6044, 0.2798, 0.2845

Square

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



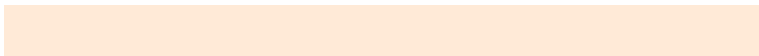
92.6044, 0.3200, 0.3735



92.6044, 0.2626, 0.3084



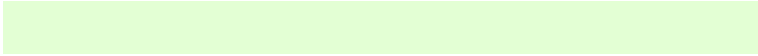
92.6044, 0.3036, 0.2890



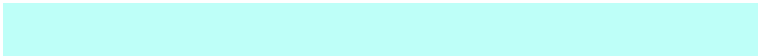
92.6044, 0.3656, 0.3459

Rectangle

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



92.6044, 0.3200, 0.3735



92.6044, 0.2787, 0.3414



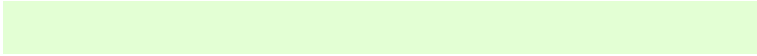
92.6044, 0.3036, 0.2890



92.6044, 0.3472, 0.3161

Sweetspot

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



92.6084, 0.3200, 0.3735



97.6682, 0.3149, 0.3414



87.8817, 0.3406, 0.3561



20.8370, 0.3152, 0.3432



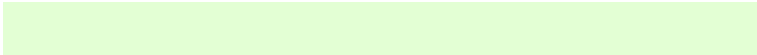
0.0000, 0.0000, 0.0000



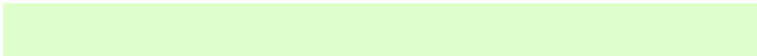
21.4041, 0.3127, 0.3290

Same Dimension

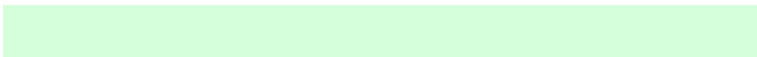
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.6084, 0.3200, 0.3735



91.3872, 0.3213, 0.3826



90.5610, 0.3074, 0.3685



20.4775, 0.3169, 0.3532



38.5632, 0.3186, 0.5852



3.8130, 0.3272, 0.5784

Inverse Universe

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



72.8315, 0.3041, 0.2857



68.4343, 0.3022, 0.2771



75.2107, 0.3186, 0.2925



17.9634, 0.3082, 0.3052



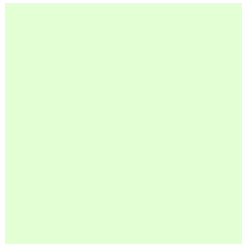
8.0781, 0.2342, 0.1064



0.8475, 0.2441, 0.1119

Previews

White Background



This preview shows how the Yxy color 92.6044, 0.3200, 0.3735 looks on a white background.

Color Contrast Check

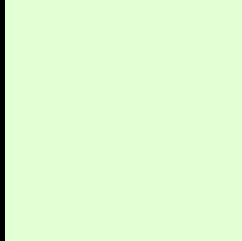
Large Text (above 18pt) WCAG AA × Fail

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 92.6044, 0.3200, 0.3735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

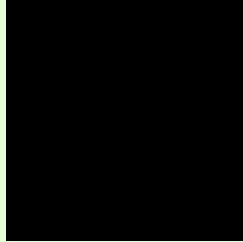
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

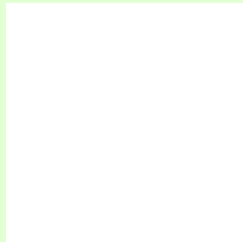
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.6044, 0.3200, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 92.6044, 0.3200, 0.3735.

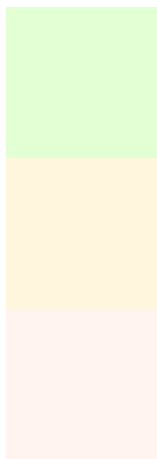


This preview shows how white text looks on a background with the Yxy color 92.6044, 0.3200, 0.3735.

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

92.6044, 0.3200, 0.3735

Protanopia

92.3920, 0.3339, 0.3536

Deuteranopia

92.1934, 0.3229, 0.3339

Tritanopia

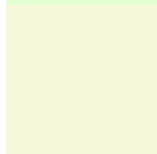
92.6188, 0.3049, 0.3211

Trichromacy



Original Color

92.6044, 0.3200, 0.3735



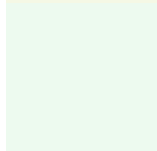
Protanomaly

92.2258, 0.3287, 0.3601



Deuteranomaly

92.2044, 0.3221, 0.3479



Tritanomaly

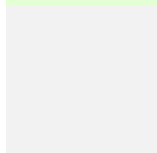
92.6077, 0.3109, 0.3400

Monochromacy



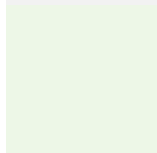
Original Color

92.6044, 0.3200, 0.3735



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.2956, 0.3158, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.6044, 0.3200, 0.3735 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(227, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 212)  
}
```

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(227, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 92.6044, 0.3200, 0.3735 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(227, 255, 212) }
```

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

```
.border{ border-color:rgb(227, 255, 212) }
```

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

Here you see how a box with a 4 pixel rgb(227, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 92.6044, 0.3200, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 212) }
```

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

```
.background{ background-color: rgb(227,  
255, 212) }
```

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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