

Converting Colors

$Y_{xy}(100.0000, 0.3191, 0.3835)$

Have a look what the booklet for
Yxy(100.0000, 0.3191, 0.3835)
contains.

Yxy(92.8181, 0.3200, 0.3724)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(92.8181, 0.3200, 0.3724)

Conversions

Conversions Part 1

Format	Color
Hex	E4FFD5
RGB	228, 255, 213
RGB Percent	89%, 100%, 84%
CMY	0.1060, 0.0000, 0.1647
CMYK	0.11, 0.00, 0.16, 0.00
HSL	99°, 100%, 92%
HSV	99°, 16%, 100%
XYZ	79.7578, 92.8181, 76.6672
YIQ	242.1390, -2.6100, -18.7860

Conversions

Conversions Part 2

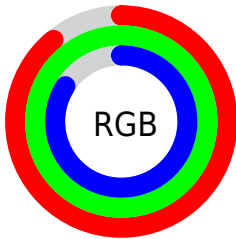
Format	Color
R_{YB}	213, 255, 240
Decimal	15007701
CIE Lab	97.15, -16.12, 17.16
CIE LCh	97, 23.549, 133.209
Yxy	92.8181, 0.3200, 0.3724
Android (android.graphics.Color)	4293197781 (0xFFE4FFD5)
YUV	242.1390, -14.3655, -12.3999
Hunter-Lab	96.3422, -20.8258, 20.2577

Details

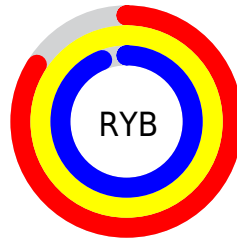
The Yxy color **92.8181, 0.3200, 0.3724** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.3454, 0.3041, 0.2867**, and the grayscale version is **89.0181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.6274, 0.3212, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **89.0600, 0.3241, 0.4019**, and if you desaturate by 10%, it is **97.0247, 0.3156, 0.3452**.

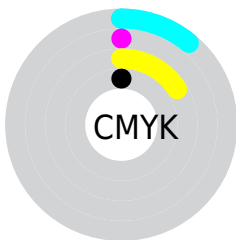
Distribution



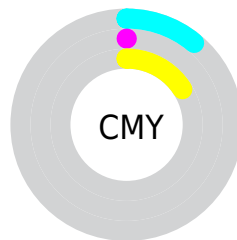
- Red (89%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (94%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.8181, 0.3200, 0.3724 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 92.8181, 0.3200, 0.3724 by changing the saturation by 10% instead.

 92.8181, 0.3200,
0.3724

 92.8181, 0.3200,
0.3724


537.1560, 0.3170,
0.3527

 70.3203, 0.3206,
0.3768


151.2468, 0.3190,
0.3656

 51.7877, 0.3213,
0.3822


187.9464, 0.3187,
0.3630

 36.8359, 0.3221,
0.3890


230.1488, 0.3183,
0.3607

 25.0805, 0.3230,
0.3978

278.2384, 0.3180,
0.3587

 16.1370, 0.3240,
0.4095

332.5995, 0.3177,
0.3569

 9.6212, 0.3252,
0.4259

393.6165, 0.3175,

 5.1485, 0.3262,

0.3553

0.4505

461.6739, 0.3172,
0.3539

■ 2.3347, 0.3261,
0.4913

■ 0.7920, 0.3120,
0.6880

■ 92.8181, 0.3200,
0.3724

■ 92.8181, 0.3200,
0.3724

■ 89.0600, 0.3241,
0.4019

■ 97.0247, 0.3156,
0.3452

■ 85.7489, 0.3276,
0.4333

100.0000, 0.3127,
0.3290

■ 82.8622, 0.3301,
0.4655

■ 80.3809, 0.3314,
0.4971

■ 78.2845, 0.3311,
0.5263

■ 76.5503, 0.3290,
0.5511

■ 75.1527, 0.3252,
0.5701

■ 74.0612, 0.3200,
0.5824

■ 73.7359, 0.3181,
0.5856

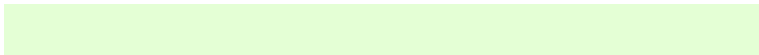
Harmonies

Analogous

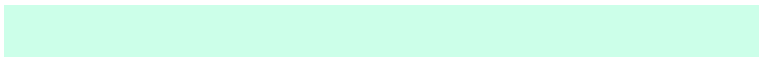
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8181, 0.3446, 0.3749



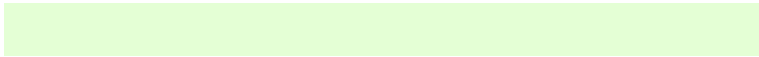
92.8181, 0.3200, 0.3724



92.8181, 0.2942, 0.3567

Triad

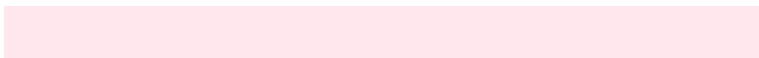
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.8181, 0.3200, 0.3724



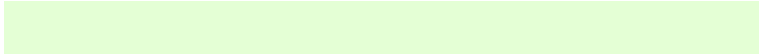
92.8181, 0.2662, 0.2922



92.8181, 0.3528, 0.3234

Complementary

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



92.8181, 0.3200, 0.3724



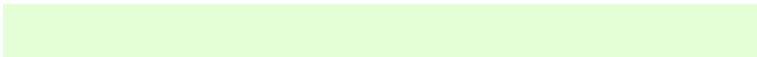
73.3454, 0.3041, 0.2867

Split Complementary

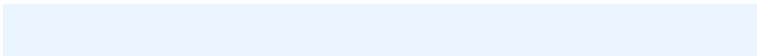
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.8181, 0.3303, 0.3035



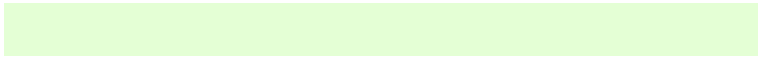
92.8181, 0.3200, 0.3724



92.8181, 0.2805, 0.2856

Square

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



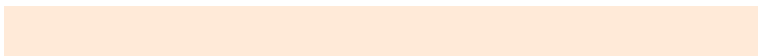
92.8181, 0.3200, 0.3724



92.8181, 0.2638, 0.3091



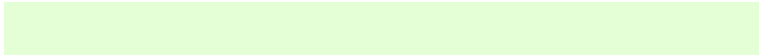
92.8181, 0.3037, 0.2898



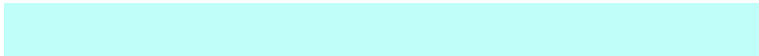
92.8181, 0.3642, 0.3454

Rectangle

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



92.8181, 0.3200, 0.3724



92.8181, 0.2796, 0.3412



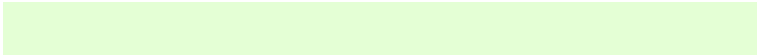
92.8181, 0.3037, 0.2898



92.8181, 0.3462, 0.3163

Sweetspot

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



92.8131, 0.3200, 0.3724



97.6822, 0.3150, 0.3414



88.1513, 0.3399, 0.3555



20.8403, 0.3153, 0.3432



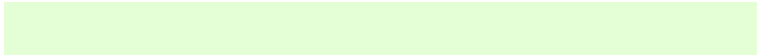
0.0000, 0.0000, 0.0000



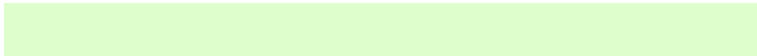
21.4041, 0.3127, 0.3290

Same Dimension

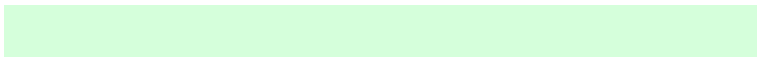
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.8131, 0.3200, 0.3724



91.4357, 0.3215, 0.3826



90.7612, 0.3075, 0.3675



20.4829, 0.3170, 0.3532



38.6043, 0.3193, 0.5847



3.8174, 0.3279, 0.5779

Inverse Universe

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



73.3454, 0.3041, 0.2867



68.3815, 0.3019, 0.2771



75.7175, 0.3184, 0.2933



17.9578, 0.3081, 0.3052



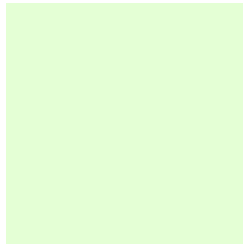
7.9926, 0.2329, 0.1056



0.8396, 0.2429, 0.1112

Previews

White Background



This preview shows how the Yxy color 92.8181, 0.3200, 0.3724 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 92.8181, 0.3200, 0.3724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

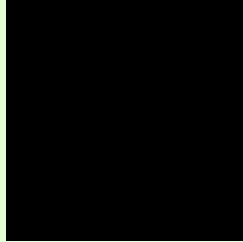
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

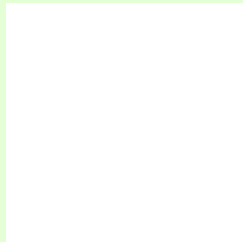
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.8181, 0.3200, 0.3724

Background



This preview shows how black text looks on a background with the Yxy color 92.8181, 0.3200, 0.3724.

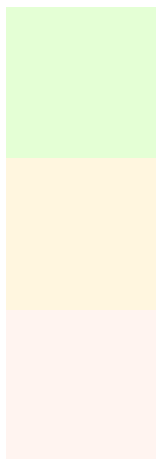


This preview shows how white text looks on a background with the Yxy color 92.8181, 0.3200, 0.3724.

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

92.8181, 0.3200, 0.3724

Protanopia

92.4992, 0.3327, 0.3516

Deuteranopia

92.2526, 0.3223, 0.3329

Tritanopia

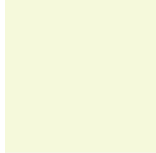
92.6188, 0.3049, 0.3211

Trichromacy



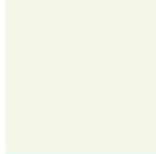
Original Color

92.8181, 0.3200, 0.3724



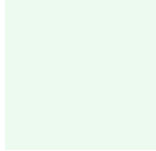
Protanomaly

92.2783, 0.3281, 0.3591



Deuteranomaly

92.2605, 0.3215, 0.3469



Tritanomaly

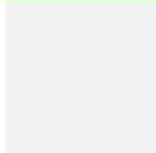
92.6670, 0.3104, 0.3390

Monochromacy



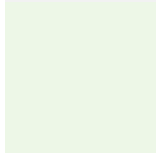
Original Color

92.8181, 0.3200, 0.3724



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 92.8181, 0.3200, 0.3724 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 92.8181, 0.3200, 0.3724 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, 213) }
```

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

```
.border{ border-color:rgb(228, 255, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 92.8181, 0.3200, 0.3724 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, 213) }
```

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

```
.background{ background-color: rgb(228,  
255, 213) }
```

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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