

Converting Colors

$Y_{xy}(92.2716, 0.3248, 0.3820)$

Have a look what the booklet for
Yxy(92.2716, 0.3248, 0.3820)
contains.

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Color

Yxy(92.2105, 0.3246, 0.3821)

Conversions

Conversions Part 1

Format	Color
Hex	E3FFCC
RGB	227, 255, 204
RGB Percent	89%, 100%, 80%
CMY	0.1098, 0.0000, 0.2001
CMYK	0.11, 0.00, 0.20, 0.00
HSL	93°, 100%, 90%
HSV	93°, 20%, 100%
XYZ	78.3343, 92.2105, 70.7808
YIQ	240.8140, -0.3170, -21.7970

Conversions

Conversions Part 2

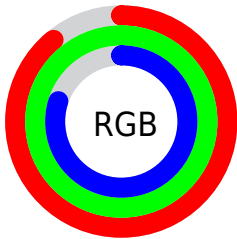
Format	Color
R_{YB}	204, 255, 232
Decimal	14942156
CIE _{Lab}	96.91, -17.88, 21.41
CIE _{LCh}	97, 27.896, 129.861
Yxy	92.2105, 0.3246, 0.3821
Android (android.graphics.Color)	4293132236 (0xFFE3FFCC)
YUV	240.8140, -18.1493, -12.1149
Hunter-Lab	96.0263, -22.4331, 23.5159

Details

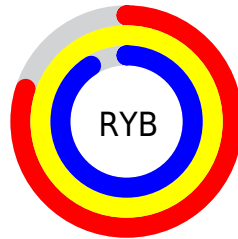
The Yxy color **92.2105, 0.3246, 0.3821** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.5474, 0.2985, 0.2765**, and the grayscale version is **87.9511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.2481, 0.3263, 0.3935** is the 20% darker color. If you saturate the color by 10%, you get **88.8999, 0.3301, 0.4117**, and if you desaturate by 10%, it is **95.9032, 0.3187, 0.3544**.

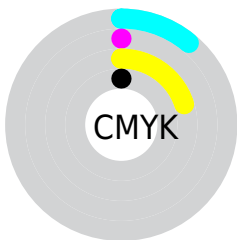
Distribution



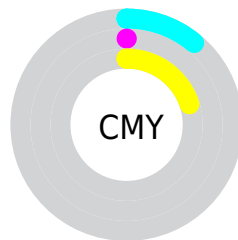
- Red (89%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (91%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.2105, 0.3246, 0.3821 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 92.2105, 0.3246, 0.3821 by changing the saturation by 10% instead.


 92.2105, 0.3246,
0.3821

 92.2105, 0.3246,
0.3821


535.1956, 0.3197,
0.3579

 69.8155, 0.3256,
0.3875


150.4051, 0.3230,
0.3738

 51.3761, 0.3267,
0.3942


186.9735, 0.3224,
0.3705

 36.5080, 0.3280,
0.4026

229.0351, 0.3218,
0.3677

 24.8268, 0.3296,
0.4134

276.9743, 0.3213,
0.3652

 15.9481, 0.3314,
0.4278

331.1756, 0.3208,
0.3631

 9.4874, 0.3333,
0.4480

392.0233, 0.3204,

 5.0604, 0.3350,

0.3611

0.4782

459.9019, 0.3201,
0.3594

■ 2.2828, 0.3390,
0.5344

■ 0.7646, 0.2752,
0.7248

■ 92.2105, 0.3246,
0.3821

■ 92.2105, 0.3246,
0.3821

■ 88.8999, 0.3301,
0.4117

■ 95.9032, 0.3187,
0.3544

■ 85.9621, 0.3348,
0.4424

99.9962, 0.3127,
0.3290

■ 83.3805, 0.3384,
0.4732

100.0000, 0.3127,
0.3290

■ 81.1386, 0.3404,
0.5026

■ 79.2186, 0.3405,
0.5291

■ 77.6007, 0.3385,
0.5508

■ 76.2618, 0.3344,
0.5668

■ 75.1681, 0.3289,
0.5771

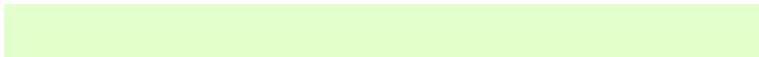
Harmonies

Analogous

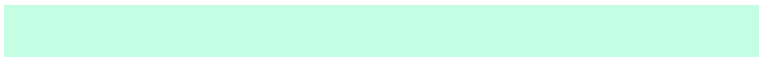
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.2105, 0.3532, 0.3828



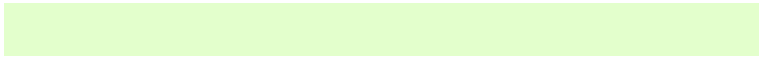
92.2105, 0.3246, 0.3821



92.2105, 0.2938, 0.3649

Triad

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



92.2105, 0.3246, 0.3821



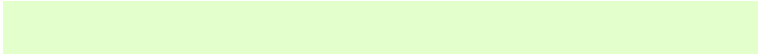
92.2105, 0.2569, 0.2869



92.2105, 0.3579, 0.3193

Complementary

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



92.2105, 0.3246, 0.3821



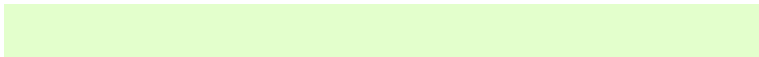
67.5474, 0.2985, 0.2765

Split Complementary

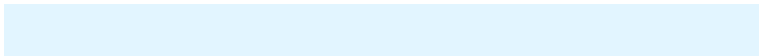
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.2105, 0.3300, 0.2967



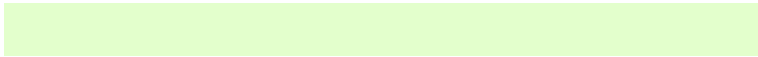
92.2105, 0.3246, 0.3821



92.2105, 0.2721, 0.2780

Square

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



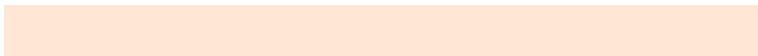
92.2105, 0.3246, 0.3821



92.2105, 0.2557, 0.3079



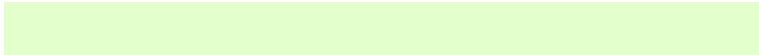
92.2105, 0.2985, 0.2818



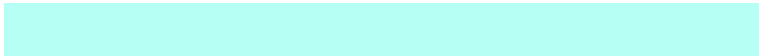
92.2105, 0.3733, 0.3452

Rectangle

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



92.2105, 0.3246, 0.3821



92.2105, 0.2761, 0.3468



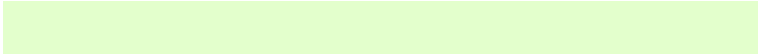
92.2105, 0.2985, 0.2818



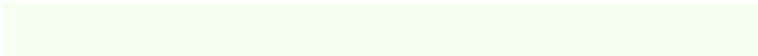
92.2105, 0.3496, 0.3112

Sweetspot

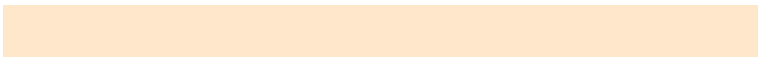
The Sweet Spot groups the original color and five complimentary colors.



92.2089, 0.3246, 0.3821



97.4955, 0.3163, 0.3440



82.8764, 0.3474, 0.3565



20.8116, 0.3167, 0.3456



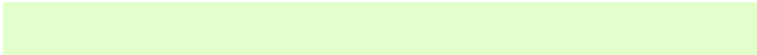
0.0000, 0.0000, 0.0000



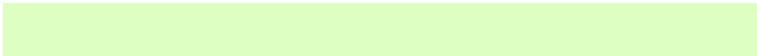
21.4041, 0.3127, 0.3290

Same Dimension

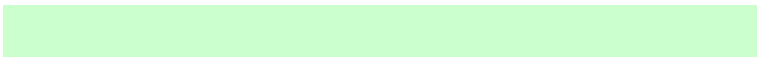
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.2089, 0.3246, 0.3821



90.8429, 0.3269, 0.3937



88.7947, 0.3092, 0.3826



20.5694, 0.3184, 0.3531



39.3628, 0.3300, 0.5761



3.8964, 0.3388, 0.5692

Inverse Universe

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



67.5474, 0.2985, 0.2765



62.1088, 0.2951, 0.2652



71.5458, 0.3162, 0.2807



17.8691, 0.3065, 0.3050



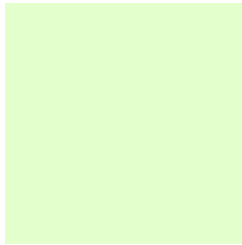
6.7737, 0.2120, 0.0941



0.7244, 0.2236, 0.1006

Previews

White Background



This preview shows how the Yxy color 92.2105, 0.3246, 0.3821 looks on a white background.

Color Contrast Check

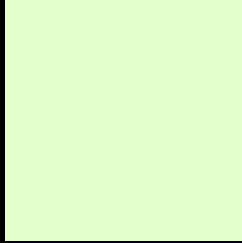
Large Text (above 18pt) WCAG AA × Fail

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 92.2105, 0.3246, 0.3821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

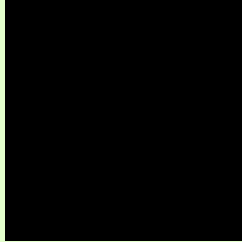
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

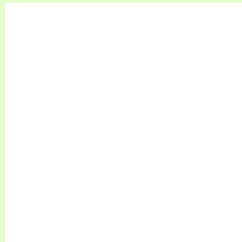
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.2105, 0.3246, 0.3821

Background



This preview shows how black text looks on a background with the Yxy color 92.2105, 0.3246, 0.3821.

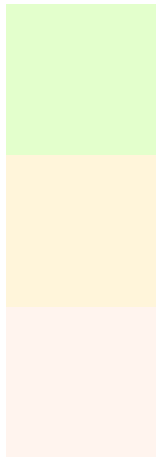


This preview shows how white text looks on a background with the Yxy color 92.2105, 0.3246, 0.3821.

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

92.2105, 0.3246, 0.3821

Protanopia

91.6268, 0.3359, 0.3557

Deuteranopia

92.1344, 0.3236, 0.3349

Tritanopia

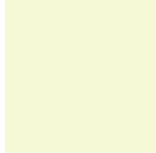
92.0088, 0.3049, 0.3202

Trichromacy



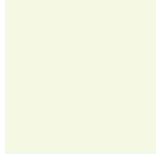
Original Color

92.2105, 0.3246, 0.3821



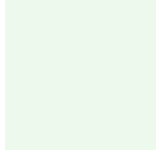
Protanomaly

91.9679, 0.3318, 0.3652



Deuteranomaly

92.0383, 0.3240, 0.3510



Tritanomaly

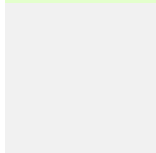
91.8120, 0.3127, 0.3421

Monochromacy



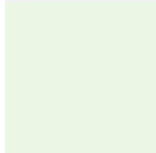
Original Color

92.2105, 0.3246, 0.3821



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.3458, 0.3170, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.2105, 0.3246, 0.3821 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 92.2105, 0.3246, 0.3821 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, 204) }
```

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

```
.border{ border-color:rgb(227, 255, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 255, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 255, 204); box-shadow:4px 4px 4px 4px rgb(227, 255, 204) }
```


Background

The CSS property to change the background color of an element to Yxy 92.2105, 0.3246, 0.3821 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, 204) }
```

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

```
.background{ background-color: rgb(227,  
255, 204) }
```

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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