

Converting Colors

$Y_{xy}(112.4839, 0.3103, 0.3948)$

Have a look what the booklet for
Yxy(112.4839, 0.3103, 0.3948)
contains.

Yxy(91.8501, 0.3116, 0.3666)	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(91.8501, 0.3116, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	DCFFDB
RGB	220, 255, 219
RGB Percent	86%, 100%, 86%
CMY	0.1371, 0.0000, 0.1412
CMYK	0.14, 0.00, 0.14, 0.00
HSL	118°, 100%, 93%
HSV	118°, 14%, 100%
XYZ	78.0701, 91.8501, 80.6256
YIQ	240.4310, -9.3040, -18.6160

Conversions

Conversions Part 2

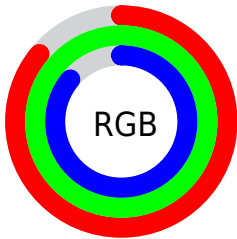
Format	Color
RYB	219, 255, 254
Decimal	14483419
CIELab	96.76, -17.77, 13.47
CIElCh	97, 22.301, 142.836
Yxy	91.8501, 0.3116, 0.3666
Android (android.graphics.Color)	4292673499 (0xFFDCFFDB)
YUV	240.4310, -10.5655, -17.9180
Hunter-Lab	95.8385, -22.3111, 17.2083

Details

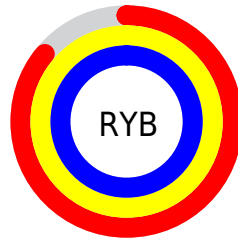
The Yxy color **91.8501, 0.3116, 0.3666** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.9394, 0.3136, 0.2939**, and the grayscale version is **87.5903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.0678, 0.3113, 0.3749** is the 20% darker color. If you saturate the color by 10%, you get **87.0304, 0.3106, 0.3974**, and if you desaturate by 10%, it is **97.4553, 0.3124, 0.3393**.

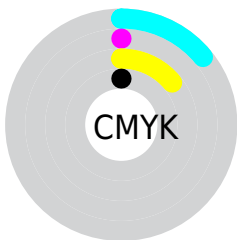
Distribution



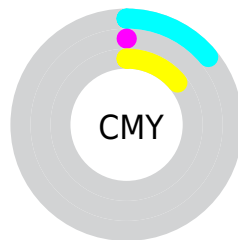
- Red (86%)
- Green (100%)
- Blue (86%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.8501, 0.3116, 0.3666 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 91.8501, 0.3116, 0.3666 by changing the saturation by 10% instead.

 91.8501, 0.3116,
0.3666

 91.8501, 0.3116,
0.3666


534.0310, 0.3123,
0.3495

 69.5161, 0.3114,
0.3704

149.9056, 0.3119,
0.3607

 51.1322, 0.3111,
0.3752


186.3960, 0.3120,
0.3584

 36.3138, 0.3107,
0.3811


228.3739, 0.3121,
0.3564

 24.6766, 0.3102,
0.3888

276.2238, 0.3121,
0.3547

 15.8363, 0.3093,
0.3991

330.3300, 0.3122,
0.3531

 9.4084, 0.3080,
0.4136

391.0770, 0.3122,

 5.0085, 0.3055,

0.3518

0.4356

458.8492, 0.3123,
0.3506

■ 2.2523, 0.3001,
0.4727

■ 0.7483, 0.2704,
0.7296

■ 91.8501, 0.3116,
0.3666

■ 91.8501, 0.3116,
0.3666

■ 87.0304, 0.3106,
0.3974

■ 97.4553, 0.3124,
0.3393

■ 82.9500, 0.3094,
0.4312

99.9973, 0.3127,
0.3290

■ 79.5761, 0.3080,
0.4669

■ 76.8683, 0.3064,
0.5027

■ 74.7827, 0.3048,
0.5361

■ 73.2698, 0.3032,
0.5642

■ 72.2726, 0.3018,
0.5846

■ 71.7225, 0.3007,
0.5963

■ 71.5654, 0.3004,
0.5997

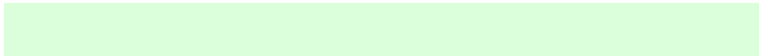
Harmonies

Analogous

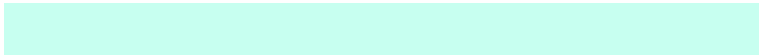
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8501, 0.3361, 0.3732



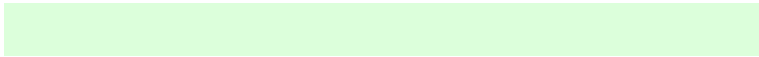
91.8501, 0.3116, 0.3666



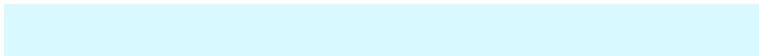
91.8501, 0.2880, 0.3485

Triad

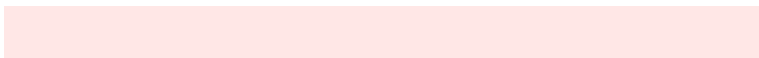
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.8501, 0.3116, 0.3666



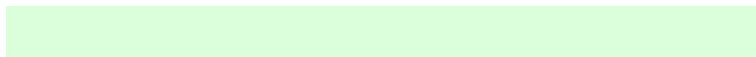
91.8501, 0.2717, 0.2908



91.8501, 0.3557, 0.3305

Complementary

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



91.8501, 0.3116, 0.3666



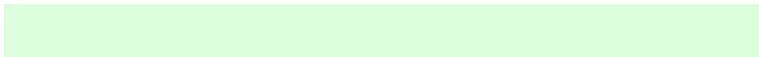
78.9394, 0.3136, 0.2939

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.



91.8501, 0.3371, 0.3103



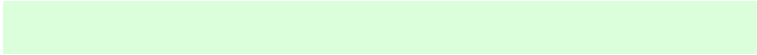
91.8501, 0.3116, 0.3666



91.8501, 0.2885, 0.2878

Square

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



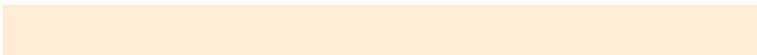
91.8501, 0.3116, 0.3666



91.8501, 0.2656, 0.3040



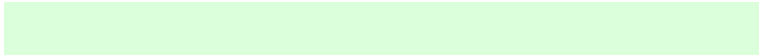
91.8501, 0.3123, 0.2950



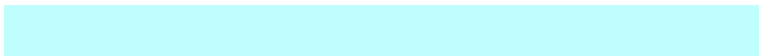
91.8501, 0.3622, 0.3511

Rectangle

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



91.8501, 0.3116, 0.3666



91.8501, 0.2759, 0.3330



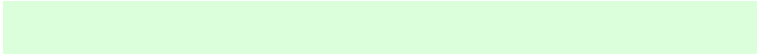
91.8501, 0.3123, 0.2950



91.8501, 0.3506, 0.3235

Sweetspot

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



91.8540, 0.3116, 0.3666



97.5305, 0.3124, 0.3389



97.1273, 0.3341, 0.3630



20.7792, 0.3124, 0.3409



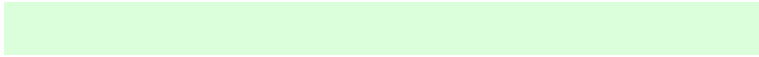
0.0000, 0.0000, 0.0000



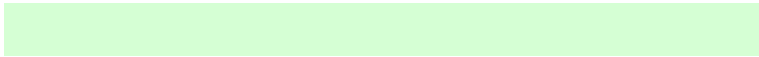
21.4041, 0.3127, 0.3290

Same Dimension

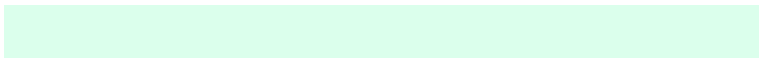
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.8540, 0.3116, 0.3666



90.3894, 0.3113, 0.3751



92.6205, 0.3016, 0.3488



20.1934, 0.3120, 0.3535



37.4068, 0.3006, 0.5995



3.6507, 0.3020, 0.5984

Inverse Universe

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



78.9394, 0.3136, 0.2939



75.1528, 0.3138, 0.2866



78.1030, 0.3256, 0.3100



18.2717, 0.3133, 0.3056



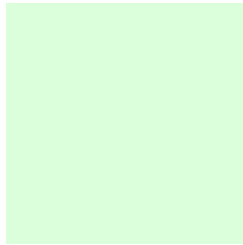
14.1697, 0.3136, 0.1501



1.3878, 0.3145, 0.1506

Previews

White Background



This preview shows how the Yxy color 91.8501, 0.3116, 0.3666 looks on a white background.

Color Contrast Check

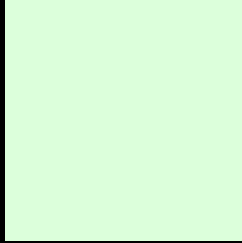
Large Text (above 18pt) WCAG AA × Fail

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 91.8501, 0.3116, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

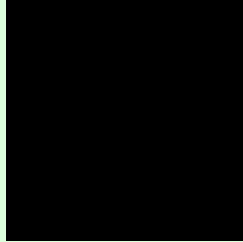
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

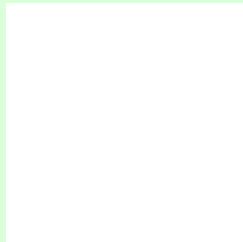
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.8501, 0.3116, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 91.8501, 0.3116, 0.3666.

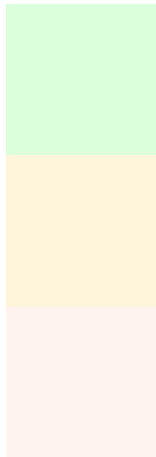


This preview shows how white text looks on a background with the Yxy color 91.8501, 0.3116, 0.3666.

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

91.8501, 0.3116, 0.3666

Protanopia

91.6793, 0.3353, 0.3547

Deuteranopia

91.5932, 0.3230, 0.3329

Tritanopia

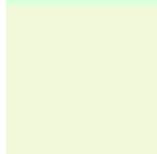
91.3087, 0.3024, 0.3201

Trichromacy



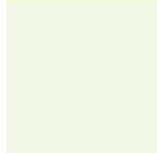
Original Color

91.8501, 0.3116, 0.3666



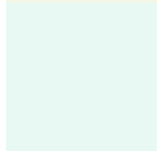
Protanomaly

91.7431, 0.3261, 0.3593



Deuteranomaly

91.2250, 0.3185, 0.3440



Tritanomaly

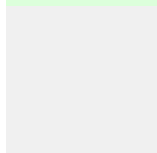
91.1511, 0.3055, 0.3361

Monochromacy



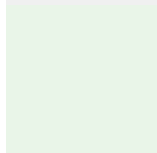
Original Color

91.8501, 0.3116, 0.3666



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.4546, 0.3127, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.8501, 0.3116, 0.3666 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(220, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 91.8501, 0.3116, 0.3666 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(220, 255, 219) }
```

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

```
.border{ border-color:rgb(220, 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(220, 255, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 91.8501, 0.3116, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 219) }
```

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

```
.background{ background-color: rgb(220,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor