

Converting Colors

$Y_{xy}(117.7774, 0.3198, 0.4221)$

Have a look what the booklet for
Yxy(117.7774, 0.3198, 0.4221)
contains.

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Color

Yxy(91.0157, 0.3236, 0.3881)

Conversions

Conversions Part 1

Format	Color
Hex	DDFFC7
RGB	221, 255, 199
RGB Percent	87%, 100%, 78%
CMY	0.1333, 0.0000, 0.2195
CMYK	0.13, 0.00, 0.22, 0.00
HSL	96°, 100%, 89%
HSV	96°, 22%, 100%
XYZ	75.8894, 91.0157, 67.6110
YIQ	238.4500, -2.2880, -24.6240

Conversions

Conversions Part 2

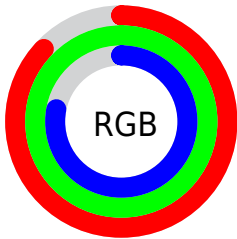
Format	Color
RYB	199, 255, 233
Decimal	14548935
CIELab	96.42, -20.70, 23.19
CIELCh	96, 31.086, 131.744
Yxy	91.0157, 0.3236, 0.3881
Android (android.graphics.Color)	4292739015 (0xFFDDFFC7)
YUV	238.4500, -19.4489, -15.3037
Hunter-Lab	95.4021, -24.9626, 24.7630

Details

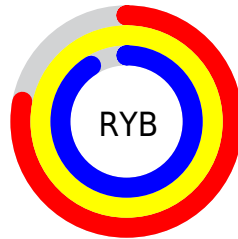
The Yxy color **91.0157, 0.3236, 0.3881** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.4020, 0.2992, 0.2715**, and the grayscale version is **86.0235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.4318, 0.3250, 0.4014** is the 20% darker color. If you saturate the color by 10%, you get **87.6099, 0.3280, 0.4184**, and if you desaturate by 10%, it is **94.8466, 0.3187, 0.3597**.

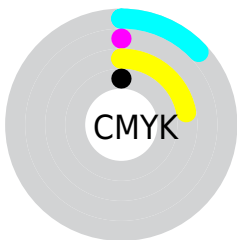
Distribution



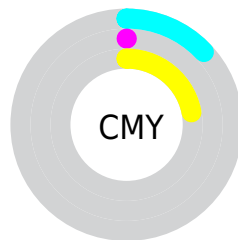
- Red (87%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (91%)



- Cyan (13%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.0157, 0.3236, 0.3881 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 91.0157, 0.3236, 0.3881 by changing the saturation by 10% instead.

 91.0157, 0.3236,
0.3881

 91.0157, 0.3236,
0.3881


531.3294, 0.3193,
0.3610

 68.8234, 0.3244,
0.3942

148.7484, 0.3222,
0.3787

 50.5679, 0.3254,
0.4018


185.0576, 0.3217,
0.3751

 35.8648, 0.3264,
0.4112


226.8413, 0.3211,
0.3719

 24.3298, 0.3276,
0.4235

274.4837, 0.3207,
0.3692

 15.5785, 0.3289,
0.4399

328.3693, 0.3203,
0.3668

 9.2264, 0.3299,
0.4630

388.8825, 0.3199,

 4.8891, 0.3299,

0.3646

0.4976

456.4078, 0.3196,
0.3627

■ 2.1824, 0.3355,
0.5710

■ 0.7103, 0.1930,
0.8070

■ 91.0157, 0.3236,
0.3881

■ 91.0157, 0.3236,
0.3881

■ 87.6099, 0.3280,
0.4184

■ 94.8466, 0.3187,
0.3597

■ 84.6096, 0.3316,
0.4500

■ 99.1141, 0.3137,
0.3338

■ 81.9992, 0.3340,
0.4815

■ 100.0000, 0.3127,
0.3290

■ 79.7601, 0.3349,
0.5115

■ 77.8723, 0.3340,
0.5380

■ 76.3131, 0.3311,
0.5594

■ 75.0564, 0.3265,
0.5746

■ 74.2371, 0.3220,
0.5826

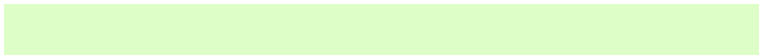
Harmonies

Analogous

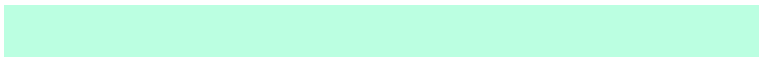
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0157, 0.3561, 0.3897



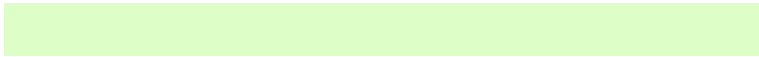
91.0157, 0.3236, 0.3881



91.0157, 0.2894, 0.3677

Triad

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



91.0157, 0.3236, 0.3881



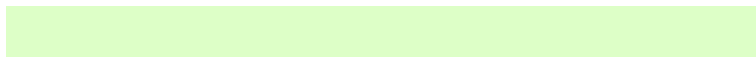
91.0157, 0.2512, 0.2809



91.0157, 0.3649, 0.3198

Complementary

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



91.0157, 0.3236, 0.3881



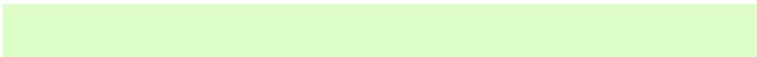
65.4020, 0.2992, 0.2715

Split Complementary

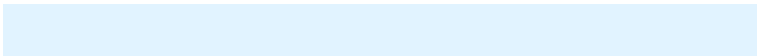
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.0157, 0.3342, 0.2944



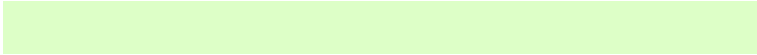
91.0157, 0.3236, 0.3881



91.0157, 0.2689, 0.2721

Square

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



91.0157, 0.3236, 0.3881



91.0157, 0.2489, 0.3033



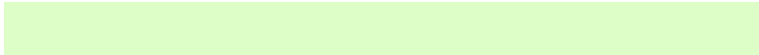
91.0157, 0.2988, 0.2773



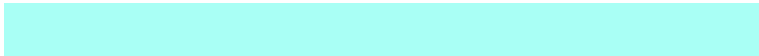
91.0157, 0.3811, 0.3485

Rectangle

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



91.0157, 0.3236, 0.3881



91.0157, 0.2702, 0.3467



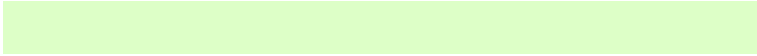
91.0157, 0.2988, 0.2773



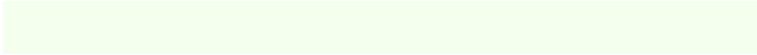
91.0157, 0.3559, 0.3107

Sweetspot

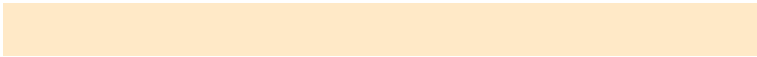
The Sweet Spot groups the original color and five complimentary colors.



91.0169, 0.3236, 0.3881



96.9048, 0.3163, 0.3466



83.4403, 0.3505, 0.3629



20.6867, 0.3166, 0.3481



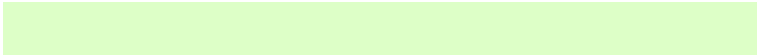
0.0000, 0.0000, 0.0000



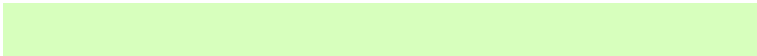
21.4041, 0.3127, 0.3290

Same Dimension

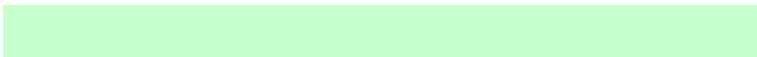
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.0169, 0.3236, 0.3881



89.5881, 0.3254, 0.4002



88.0540, 0.3067, 0.3843



20.5160, 0.3175, 0.3531



38.8707, 0.3231, 0.5816



3.8458, 0.3319, 0.5747

Inverse Universe

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



65.4020, 0.2992, 0.2715



60.1385, 0.2962, 0.2601



68.9802, 0.3192, 0.2794



17.9236, 0.3075, 0.3051



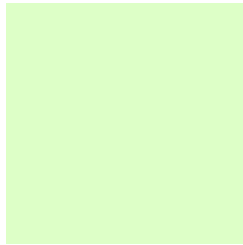
7.4958, 0.2246, 0.1011



0.7931, 0.2353, 0.1070

Previews

White Background



This preview shows how the Yxy color 91.0157, 0.3236, 0.3881 looks on a white background.

Color Contrast Check

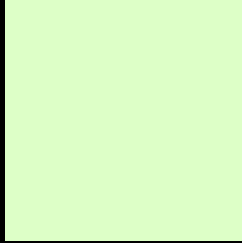
Large Text (above 18pt) WCAG AA × Fail

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 91.0157, 0.3236, 0.3881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

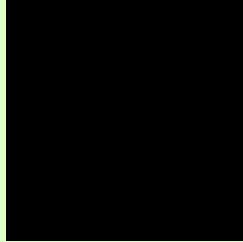
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

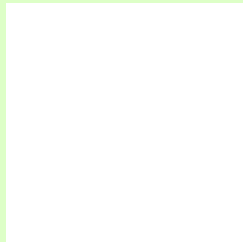
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.0157, 0.3236, 0.3881

Background



This preview shows how black text looks on a background with the Yxy color 91.0157, 0.3236, 0.3881.

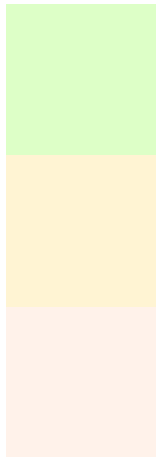


This preview shows how white text looks on a background with the Yxy color 91.0157, 0.3236, 0.3881.

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

91.0157, 0.3236, 0.3881

Protanopia

90.6645, 0.3405, 0.3617

Deuteranopia

90.7048, 0.3262, 0.3369



Tritanopia

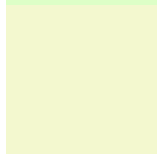
90.7020, 0.3024, 0.3191

Trichromacy



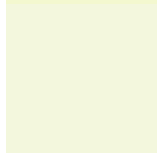
Original Color

91.0157, 0.3236, 0.3881



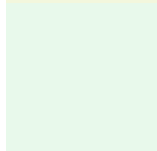
Protanomaly

90.6945, 0.3342, 0.3706



Deuteranomaly

90.7967, 0.3258, 0.3552



Tritanomaly

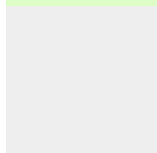
90.9053, 0.3102, 0.3432

Monochromacy



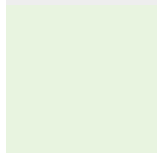
Original Color

91.0157, 0.3236, 0.3881



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.2390, 0.3170, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.0157, 0.3236, 0.3881 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(221, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 199)  
}
```

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(221, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 199) }
```

Border

The CSS property to change the border of an element to Yxy 91.0157, 0.3236, 0.3881 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(221, 255, 199) }
```

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

```
.border{ border-color:rgb(221, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 91.0157, 0.3236, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 199) }
```

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

```
.background{ background-color: rgb(221,  
255, 199) }
```

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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