

Converting Colors

Yxy(116.3262, 0.3103, 0.4636)

Have a look what the booklet for
Yxy(116.3262, 0.3103, 0.4636)
contains.

Yxy(84.0440, 0.3128, 0.4261)	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(84.0440, 0.3128, 0.4261)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFAB
RGB	179, 255, 171
RGB Percent	70%, 100%, 67%
CMY	0.2981, 0.0000, 0.3294
CMYK	0.30, 0.00, 0.33, 0.00
HSL	114°, 100%, 84%
HSV	114°, 33%, 100%
XYZ	61.6967, 84.0440, 51.4994
YIQ	222.7000, -18.3320, -42.2360

Conversions

Conversions Part 2

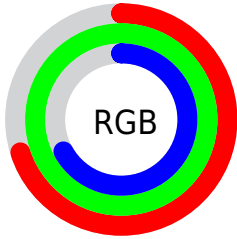
Format	Color
RYB	171, 255, 247
Decimal	11796395
CIELab	93.47, -38.93, 32.91
CIELCh	93, 50.977, 139.786
Yxy	84.0440, 0.3128, 0.4261
Android (android.graphics.Color)	4289986475 (0xFFB3FFAB)
YUV	222.7000, -25.4881, -38.3249
Hunter-Lab	91.6755, -40.3034, 30.8663

Details

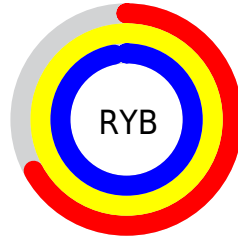
The Yxy color **84.0440, 0.3128, 0.4261** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **56.1271, 0.3102, 0.2453**, and the grayscale version is **73.7558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8989, 0.3170, 0.3572**, and **45.9813, 0.3112, 0.4504** is the 20% darker color. If you saturate the color by 10%, you get **80.6373, 0.3121, 0.4610**, and if you desaturate by 10%, it is **88.0928, 0.3131, 0.3931**.

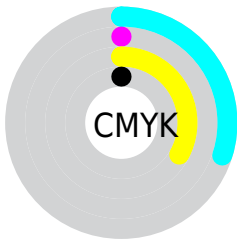
Distribution



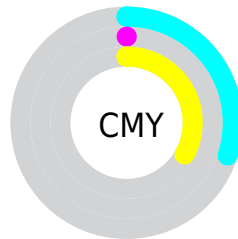
- Red (70%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (97%)



- Cyan (30%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0440, 0.3128, 0.4261 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 84.0440, 0.3128, 0.4261 by changing the saturation by 10% instead.


 84.0440, 0.3128,
0.4261

 84.0440, 0.3128,
0.4261


508.4593, 0.3142,
0.3799

 63.0518, 0.3121,
0.4369


 139.0367, 0.3136,
0.4099

 45.8831, 0.3110,
0.4503


173.8060, 0.3138,
0.4036

 32.1536, 0.3094,
0.4674


213.9364, 0.3140,
0.3982

 21.4788, 0.3066,
0.4899

259.8124, 0.3141,
0.3936

 13.4745, 0.3019,
0.5206

311.8182, 0.3141,
0.3895

 7.7561, 0.2931,
0.5645


370.3384, 0.3142,

 3.9393, 0.2777,

0.3859


0.6370

435.7573, 0.3142,
0.3827


 1.6396, 0.2217,
0.7783

 0.3841, 0.0000,
1.0000


 84.0440, 0.3128,
0.4261


 84.0440, 0.3128,
0.4261


 80.6373, 0.3121,
0.4610


 88.0928, 0.3131,
0.3931

 77.8476, 0.3111,
0.4963

 92.8235, 0.3131,
0.3631

 75.6352, 0.3095,
0.5296

 98.2625, 0.3128,
0.3363

 73.9593, 0.3075,
0.5584

100.0000, 0.3127,
0.3290

■ 72.7739, 0.3053,
0.5802

■ 72.0247, 0.3030,
0.5936

■ 71.7166, 0.3017,
0.5987

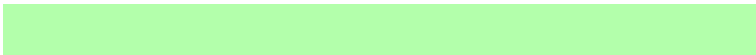
Harmonies

Analogous

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



84.0440, 0.3693, 0.4345



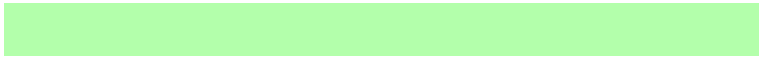
84.0440, 0.3128, 0.4261



84.0440, 0.2591, 0.3819

Triad

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



84.0440, 0.3128, 0.4261



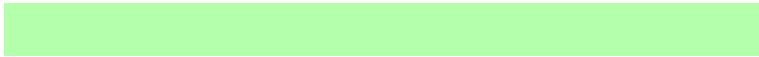
84.0440, 0.2185, 0.2436



84.0440, 0.4116, 0.3239

Complementary

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



84.0440, 0.3128, 0.4261



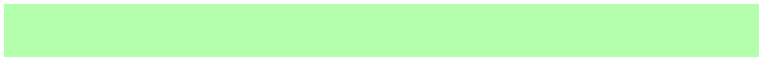
56.1271, 0.3102, 0.2453

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.



84.0440, 0.3636, 0.2825



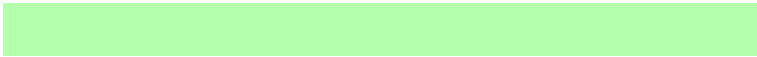
84.0440, 0.3128, 0.4261



84.0440, 0.2517, 0.2377

Square

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



84.0440, 0.3128, 0.4261



84.0440, 0.2081, 0.2720



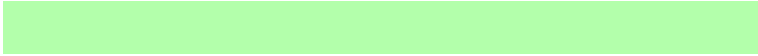
84.0440, 0.3038, 0.2519



84.0440, 0.4297, 0.3693

Rectangle

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



84.0440, 0.3128, 0.4261



84.0440, 0.2319, 0.3420



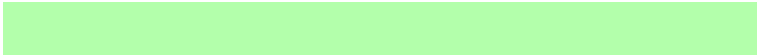
84.0440, 0.3038, 0.2519



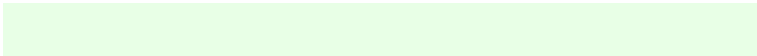
84.0440, 0.3982, 0.3093

Sweetspot

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



84.0411, 0.3128, 0.4261



94.3475, 0.3130, 0.3548



90.4779, 0.3650, 0.4041



20.0366, 0.3130, 0.3587



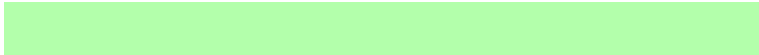
0.0000, 0.0000, 0.0000



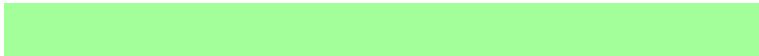
21.4041, 0.3127, 0.3290

Same Dimension

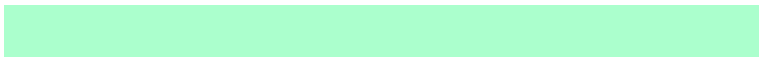
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0411, 0.3128, 0.4261



81.5725, 0.3124, 0.4506



84.5670, 0.2906, 0.3869



20.2505, 0.3130, 0.3535



37.5008, 0.3021, 0.5983



3.6777, 0.3065, 0.5948

Inverse Universe

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



56.1271, 0.3102, 0.2453



49.4728, 0.3093, 0.2277



55.6294, 0.3440, 0.2777



18.2076, 0.3123, 0.3055



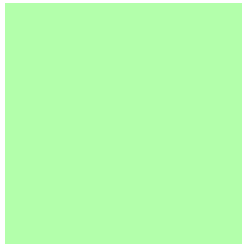
12.6686, 0.2971, 0.1410



1.2579, 0.3000, 0.1426

Previews

White Background



This preview shows how the Yxy color 84.0440, 0.3128, 0.4261 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 84.0440, 0.3128, 0.4261 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

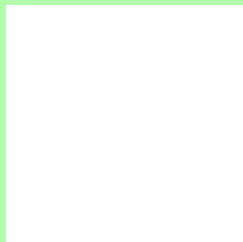
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0440, 0.3128, 0.4261

Background



This preview shows how black text looks on a background with the Yxy color 84.0440, 0.3128, 0.4261.

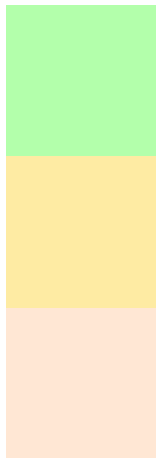


This preview shows how white text looks on a background with the Yxy color 84.0440, 0.3128, 0.4261.

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

84.0440, 0.3128, 0.4261

Protanopia

83.1318, 0.3730, 0.4017

Deuteranopia

83.1653, 0.3420, 0.3481



Tritanopia

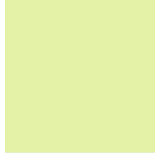
83.5405, 0.2841, 0.3143

Trichromacy



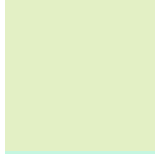
Original Color

84.0440, 0.3128, 0.4261



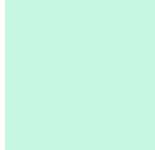
Protanomaly

82.5883, 0.3494, 0.4105



Deuteranomaly

82.6823, 0.3306, 0.3749



Tritanomaly

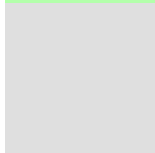
83.1637, 0.2948, 0.3531

Monochromacy



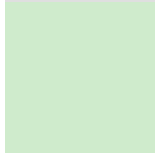
Original Color

84.0440, 0.3128, 0.4261



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0417, 0.3131, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0440, 0.3128, 0.4261 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(179, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 171)  
}
```

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(179, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 84.0440, 0.3128, 0.4261 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(179, 255, 171) }
```

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

```
.border{ border-color:rgb(179, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0440, 0.3128, 0.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 171) }
```

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

```
.background{ background-color: rgb(179,  
255, 171) }
```

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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