

Converting Colors

$Yxy(84.6859, 0.3032, 0.4052)$

Have a look what the booklet for
Yxy(84.6859, 0.3032, 0.4052)
contains.

Yxy(84.6591, 0.3027, 0.4048)	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(84.6591, 0.3027, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFBD
RGB	178, 255, 189
RGB Percent	70%, 100%, 74%
CMY	0.3020, 0.0000, 0.2586
CMYK	0.30, 0.00, 0.26, 0.00
HSL	129°, 100%, 85%
HSV	129°, 30%, 100%
XYZ	63.3061, 84.6591, 61.1729
YIQ	224.4530, -24.7060, -36.8500

Conversions

Conversions Part 2

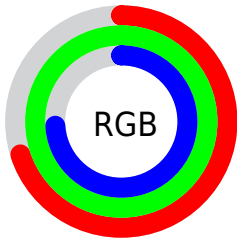
Format	Color
R _{YB}	178, 245, 255
Decimal	11730877
CIE _{Lab}	93.74, -36.34, 24.17
CIE _{LCh}	94, 43.648, 146.375
Yxy	84.6591, 0.3027, 0.4048
Android (android.graphics.Color)	4289920957 (0xFFB2FFBD)
YUV	224.4530, -17.4783, -40.7393
Hunter-Lab	92.0104, -38.2044, 24.9884

Details

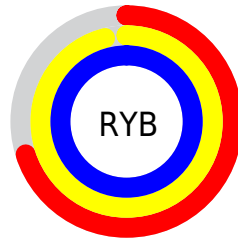
The Yxy color **84.6591, 0.3027, 0.4048** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.6221, 0.3247, 0.2635**, and the grayscale version is **75.0224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7747, 0.3061, 0.3389**, and **46.3484, 0.2997, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **81.0399, 0.2997, 0.4352**, and if you desaturate by 10%, it is **88.9818, 0.3060, 0.3768**.

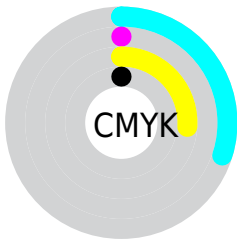
Distribution



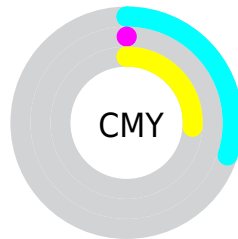
- Red (70%)
- Green (100%)
- Blue (74%)



- Red (70%)
- Yellow (96%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6591, 0.3027, 0.4048 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 84.6591, 0.3027, 0.4048 by changing the saturation by 10% instead.

 84.6591, 0.3027,
0.4048

 84.6591, 0.3027,
0.4048


510.4994, 0.3081,
0.3690

 63.5597, 0.3013,
0.4132

 139.8968, 0.3047,
0.3922

 46.2942, 0.2994,
0.4235


174.8039, 0.3055,
0.3874

 32.4780, 0.2969,
0.4368


215.0824, 0.3061,
0.3832

 21.7269, 0.2934,
0.4543

261.1167, 0.3066,
0.3796

 13.6564, 0.2881,
0.4784

313.2911, 0.3071,
0.3764

 7.8820, 0.2795,
0.5134


371.9901, 0.3075,


 4.0196, 0.2641,


0.3737


0.5682


437.5981, 0.3078,
0.3712


 1.6845, 0.2489,
0.7511


 0.4136, 0.0000,
1.0000


 84.6591, 0.3027,
0.4048


 84.6591, 0.3027,
0.4048


 81.0399, 0.2997,
0.4352


 88.9818, 0.3060,
0.3768


 78.0865, 0.2971,
0.4672

 94.0425, 0.3093,
0.3516

 75.7581, 0.2952,
0.4993

 99.8737, 0.3127,
0.3294

 74.0091, 0.2943,
0.5296

 100.0000, 0.3127,
0.3290

■ 72.7876, 0.2944,
0.5560

■ 72.0322, 0.2956,
0.5766

■ 71.6512, 0.2973,
0.5903

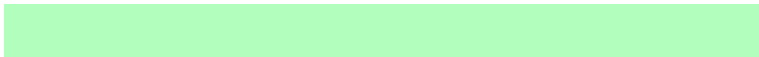
Harmonies

Analogous

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



84.6591, 0.3519, 0.4198



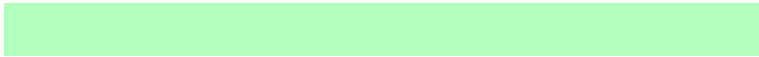
84.6591, 0.3027, 0.4048



84.6591, 0.2584, 0.3632

Triad

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



84.6591, 0.3027, 0.4048



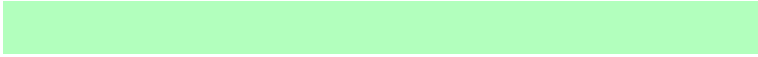
84.6591, 0.2358, 0.2524



84.6591, 0.4030, 0.3341

Complementary

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



84.6591, 0.3027, 0.4048



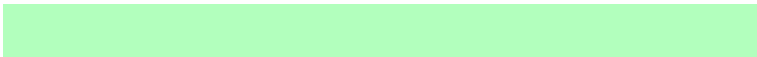
59.6221, 0.3247, 0.2635

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.



84.6591, 0.3668, 0.2963



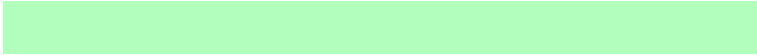
84.6591, 0.3027, 0.4048



84.6591, 0.2690, 0.2509

Square

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



84.6591, 0.3027, 0.4048



84.6591, 0.2221, 0.2735



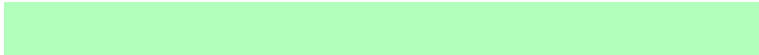
84.6591, 0.3166, 0.2668



84.6591, 0.4122, 0.3734

Rectangle

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



84.6591, 0.3027, 0.4048



84.6591, 0.2371, 0.3295



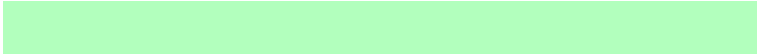
84.6591, 0.3166, 0.2668



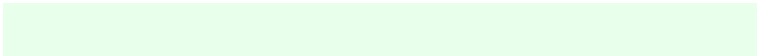
84.6591, 0.3935, 0.3209

Sweetspot

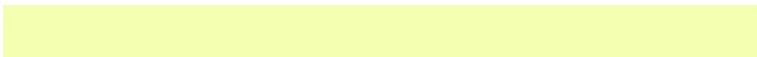
The Sweet Spot groups the original color and five complimentary colors.



84.6591, 0.3027, 0.4048



94.7024, 0.3098, 0.3488



94.0978, 0.3515, 0.4066



20.0996, 0.3093, 0.3522



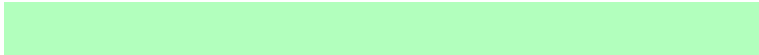
0.0000, 0.0000, 0.0000



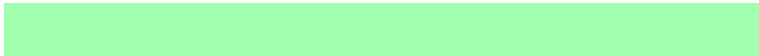
21.4041, 0.3127, 0.3290

Same Dimension

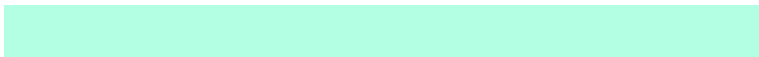
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6591, 0.3027, 0.4048



82.4775, 0.3009, 0.4222



86.5159, 0.2830, 0.3604



20.2107, 0.3096, 0.3500



37.4521, 0.2968, 0.5885



3.6587, 0.2922, 0.5718

Inverse Universe

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



59.6221, 0.3247, 0.2635



53.9251, 0.3275, 0.2510



57.5613, 0.3560, 0.2999



18.2529, 0.3160, 0.3089



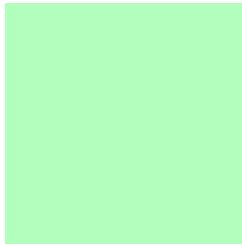
13.7812, 0.3610, 0.1762



1.3536, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 84.6591, 0.3027, 0.4048 looks on a white background.

Color Contrast Check

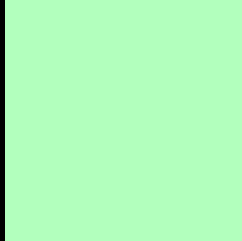
Large Text (above 18pt) WCAG AA × Fail

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 84.6591, 0.3027, 0.4048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

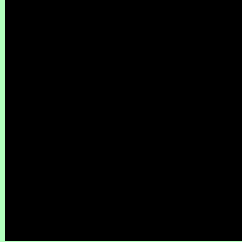
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

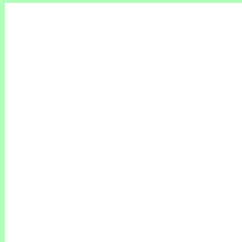
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6591, 0.3027, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 84.6591, 0.3027, 0.4048.

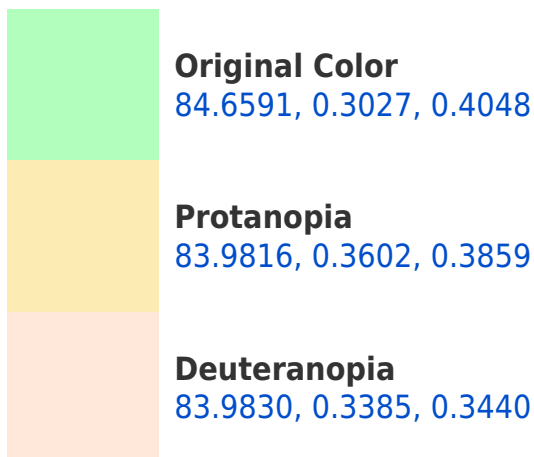


This preview shows how white text looks on a background with the Yxy color 84.6591, 0.3027, 0.4048.

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





Tritanopia

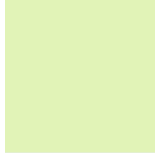
84.2796, 0.2847, 0.3154

Trichromacy



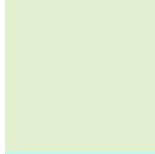
Original Color

84.6591, 0.3027, 0.4048



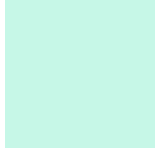
Protanomaly

83.5276, 0.3375, 0.3934



Deuteranomaly

83.1561, 0.3244, 0.3640



Tritanomaly

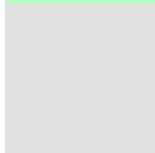
84.2968, 0.2916, 0.3463

Monochromacy



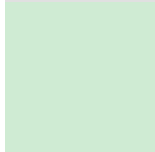
Original Color

84.6591, 0.3027, 0.4048



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3852, 0.3088, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6591, 0.3027, 0.4048 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(178, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 189)  
}
```

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(178, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 84.6591, 0.3027, 0.4048 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(178, 255, 189) }
```

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

```
.border{ border-color:rgb(178, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6591, 0.3027, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 189) }
```

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

```
.background{ background-color: rgb(178,  
255, 189) }
```

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