

Converting Colors

$Yxy(84.3255, 0.3006, 0.4045)$

Have a look what the booklet for
Yxy(84.3255, 0.3006, 0.4045)
contains.

Yxy(84.3517, 0.3005, 0.4040)	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(84.3517, 0.3005, 0.4040)

Conversions

Conversions Part 1

Format	Color
Hex	AFFFBE
RGB	175, 255, 190
RGB Percent	69%, 100%, 75%
CMY	0.3136, 0.0000, 0.2548
CMYK	0.31, 0.00, 0.25, 0.00
HSL	131°, 100%, 84%
HSV	131°, 31%, 100%
XYZ	62.7418, 84.3517, 61.6978
YIQ	223.6700, -26.8150, -37.1750

Conversions

Conversions Part 2

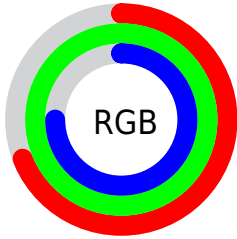
Format	Color
RYB	175, 242, 255
Decimal	11534270
CIELab	93.60, -37.07, 23.47
CIELCh	94, 43.877, 147.663
Yxy	84.3517, 0.3005, 0.4040
Android (android.graphics.Color)	4289724350 (0xFFAFFBE)
YUV	223.6700, -16.5993, -42.6836
Hunter-Lab	91.8432, -38.7850, 24.4608

Details

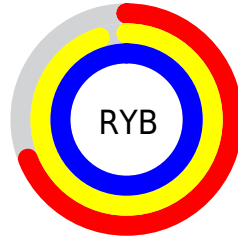
The Yxy color **84.3517, 0.3005, 0.4040** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.2292, 0.3280, 0.2642**, and the grayscale version is **74.4375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3912, 0.3032, 0.3369**, and **46.1588, 0.2970, 0.4233** is the 20% darker color. If you saturate the color by 10%, you get **80.8342, 0.2971, 0.4331**, and if you desaturate by 10%, it is **88.5623, 0.3043, 0.3772**.

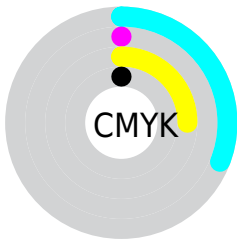
Distribution



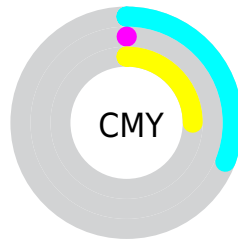
- Red (69%)
- Green (100%)
- Blue (75%)



- Red (69%)
- Yellow (95%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3517, 0.3005, 0.4040 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 84.3517, 0.3005, 0.4040 by changing the saturation by 10% instead.

 84.3517, 0.3005,
0.4040

 84.3517, 0.3005,
0.4040


509.4804, 0.3069,
0.3685

 63.3058, 0.2989,
0.4123


 139.4670, 0.3029,
0.3915

 46.0887, 0.2967,
0.4226


174.3053, 0.3037,
0.3867

 32.3158, 0.2939,
0.4358


214.5099, 0.3045,
0.3826

 21.6028, 0.2900,
0.4532

260.4651, 0.3051,
0.3790

 13.5654, 0.2842,
0.4772

312.5553, 0.3056,
0.3759

 7.8190, 0.2749,
0.5121


371.1651, 0.3061,


 3.9793, 0.2585,


0.3731


0.5670


436.6786, 0.3065,
0.3707

 1.6620, 0.2405,
0.7595


 0.3989, 0.0000,
1.0000


 84.3517, 0.3005,
0.4040


 84.3517, 0.3005,
0.4040


 80.8342, 0.2971,
0.4331


 88.5623, 0.3043,
0.3772

 77.9623, 0.2942,
0.4637

 93.4894, 0.3083,
0.3530

 75.6992, 0.2923,
0.4946

 99.1683, 0.3122,
0.3317

 74.0000, 0.2915,
0.5240

99.9977, 0.3127,
0.3290

■ 72.8134, 0.2920,
0.5501

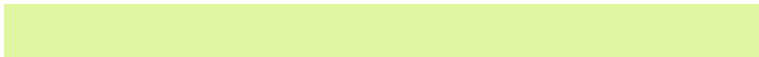
■ 72.0783, 0.2937,
0.5711

■ 71.7291, 0.2957,
0.5845

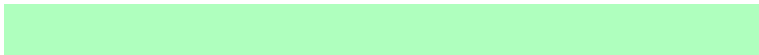
Harmonies

Analogous

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



84.3517, 0.3501, 0.4204



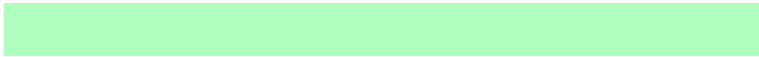
84.3517, 0.3005, 0.4040



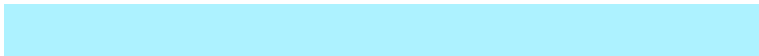
84.3517, 0.2564, 0.3613

Triad

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



84.3517, 0.3005, 0.4040



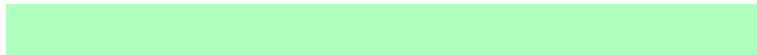
84.3517, 0.2364, 0.2515



84.3517, 0.4046, 0.3358

Complementary

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



84.3517, 0.3005, 0.4040



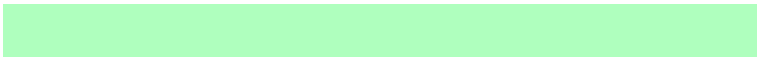
58.2292, 0.3280, 0.2642

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.



84.3517, 0.3691, 0.2976



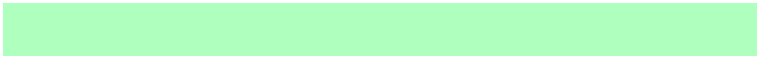
84.3517, 0.3005, 0.4040



84.3517, 0.2706, 0.2508

Square

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



84.3517, 0.3005, 0.4040



84.3517, 0.2217, 0.2718



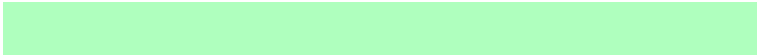
84.3517, 0.3188, 0.2674



84.3517, 0.4125, 0.3753

Rectangle

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



84.3517, 0.3005, 0.4040



84.3517, 0.2356, 0.3273



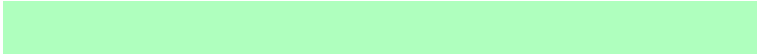
84.3517, 0.3188, 0.2674



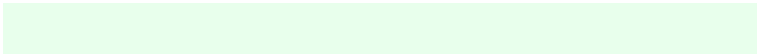
84.3517, 0.3954, 0.3225

Sweetspot

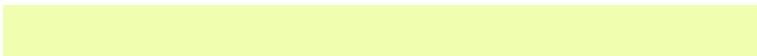
The Sweet Spot groups the original color and five complimentary colors.



84.3552, 0.3005, 0.4040



94.7605, 0.3092, 0.3478



93.1992, 0.3503, 0.4103



20.1138, 0.3086, 0.3510



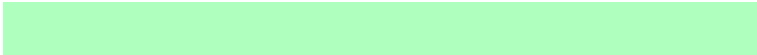
0.0000, 0.0000, 0.0000



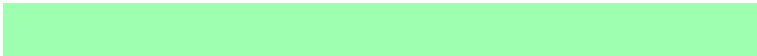
21.4041, 0.3127, 0.3290

Same Dimension

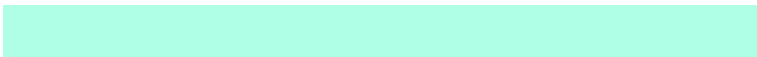
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3552, 0.3005, 0.4040



81.9436, 0.2982, 0.4231



86.3319, 0.2800, 0.3571



20.2237, 0.3090, 0.3489



37.4970, 0.2951, 0.5824



3.6651, 0.2899, 0.5635

Inverse Universe

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



58.2292, 0.3280, 0.2642



51.8538, 0.3321, 0.2505



56.1236, 0.3618, 0.3028



18.2386, 0.3167, 0.3099



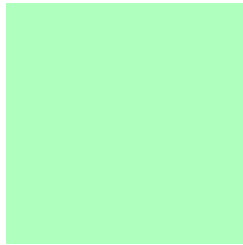
13.4900, 0.3749, 0.1839



1.3279, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 84.3517, 0.3005, 0.4040 looks on a white background.

Color Contrast Check

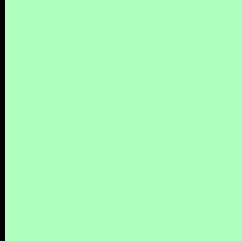
Large Text (above 18pt) WCAG AA × Fail

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 84.3517, 0.3005, 0.4040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

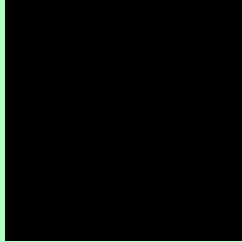
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.3517, 0.3005, 0.4040

Background



This preview shows how black text looks on a background with the Yxy color 84.3517, 0.3005, 0.4040.

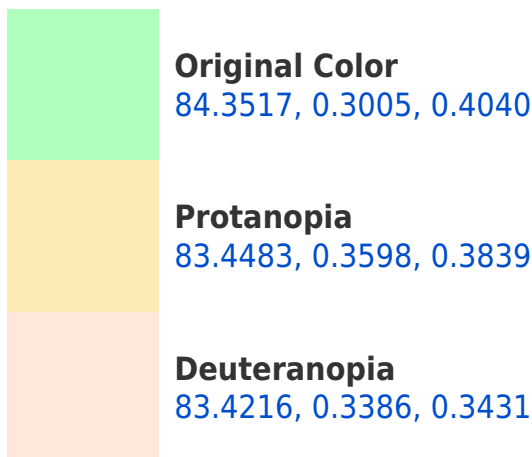


This preview shows how white text looks on a background with the Yxy color 84.3517, 0.3005, 0.4040.

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

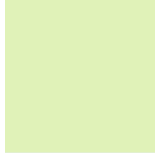
83.9897, 0.2836, 0.3153

Trichromacy



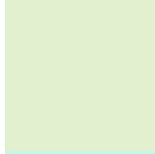
Original Color

84.3517, 0.3005, 0.4040



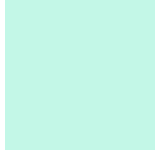
Protanomaly

82.8122, 0.3363, 0.3915



Deuteranomaly

82.9939, 0.3237, 0.3641



Tritanomaly

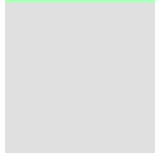
83.8932, 0.2898, 0.3464

Monochromacy



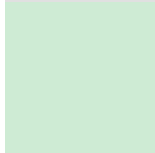
Original Color

84.3517, 0.3005, 0.4040



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.2919, 0.3075, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3517, 0.3005, 0.4040 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(175, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 190)  
}
```

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(175, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 190) }
```

Border

The CSS property to change the border of an element to Yxy 84.3517, 0.3005, 0.4040 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(175, 255, 190) }
```

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

```
.border{ border-color:rgb(175, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 255, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 255, 190); box-shadow:4px 4px 4px 4px rgb(175, 255, 190) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3517, 0.3005, 0.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 190) }
```

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

```
.background{ background-color: rgb(175,  
255, 190) }
```

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