

# Converting Colors

$Yxy(77.4972, 0.3027, 0.4030)$

Have a look what the booklet for  
Yxy(77.4972, 0.3027, 0.4030)  
contains.

<b>Yxy(77.4944, 0.3026, 0.4028)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(77.4944, 0.3026, 0.4028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACF5B7
RGB	172, 245, 183
RGB Percent	67%, 96%, 72%
CMY	0.3253, 0.0392, 0.2824
CMYK	0.30, 0.00, 0.25, 0.04
HSL	129°, 78%, 82%
HSV	129°, 30%, 96%
XYZ	58.2170, 77.4944, 56.6779
YIQ	216.1050, -23.6060, -34.7580

# Conversions

## Conversions Part 2

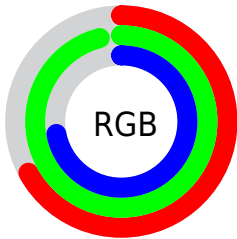
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 235, 245
Decimal	11335095
CIELab	90.55, -34.64, 22.82
CIElCh	91, 41.477, 146.620
Yxy	77.4944, 0.3026, 0.4028
Android (android.graphics.Color)	4289525175 (0xFFACF5B7)
YUV	216.1050, -16.3208, -38.6801
Hunter-Lab	88.0309, -36.0077, 23.4483

# Details

The Yxy color **77.4944, 0.3026, 0.4028** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.8753, 0.3249, 0.2650**, and the grayscale version is **68.8757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4100, 0.3058, 0.3451**, and **41.3601, 0.2987, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **74.1717, 0.2995, 0.4329**, and if you desaturate by 10%, it is **81.4629, 0.3060, 0.3752**.

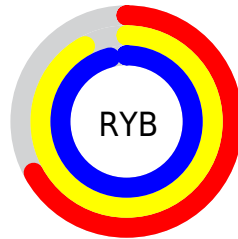
# Distribution



Red (67%)

Green (96%)

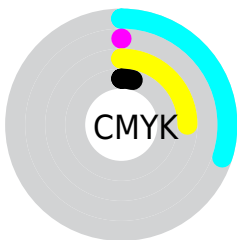
Blue (72%)



Red (67%)

Yellow (92%)

Blue (96%)

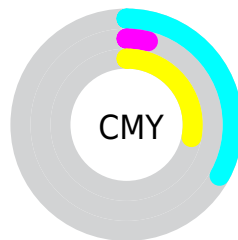


Cyan (30%)

Magenta (0%)

Yellow (25%)

Black (4%)



Cyan (33%)

Magenta (4%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4944, 0.3026, 0.4028 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 77.4944, 0.3026, 0.4028 by changing the saturation by 10% instead.




 77.4944, 0.3026,  
0.4028

 77.4944, 0.3026,  
0.4028

486.4480, 0.3081,  
0.3674

 57.6587, 0.3011,  
0.4112


 129.8371, 0.3047,  
0.3903

 41.5344, 0.2992,  
0.4217


163.1130, 0.3054,  
0.3855

 28.7369, 0.2966,  
0.4352


201.6377, 0.3061,  
0.3814

 18.8818, 0.2929,  
0.4533

245.7957, 0.3066,  
0.3778

 11.5849, 0.2872,  
0.4786

295.9713, 0.3070,  
0.3747

 6.4617, 0.2779,  
0.5161


352.5490, 0.3074,


 3.1278, 0.2604,


0.3720


0.5770


415.9131, 0.3078,  
0.3696


 1.1988, 0.1807,  
0.8193


 0.0607, 0.0000,  
1.0000


 77.4944, 0.3026,  
0.4028

 77.4944, 0.3026,  
0.4028


 74.1717, 0.2995,  
0.4329

 81.4629, 0.3060,  
0.3752

 71.4513, 0.2968,  
0.4645

 86.0988, 0.3094,  
0.3504

 69.2997, 0.2949,  
0.4964

 91.4344, 0.3128,  
0.3286

 67.6759, 0.2939,  
0.5267

 93.7847, 0.3132,  
0.3194

■ 66.5335, 0.2940,  
0.5534

■ 65.8176, 0.2952,  
0.5745

■ 65.4430, 0.2970,  
0.5891

■ 65.4367, 0.2970,  
0.5893

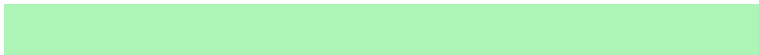
# Harmonies

## Analogous

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



77.4944, 0.3508, 0.4178



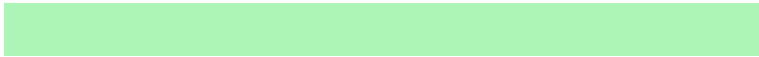
77.4944, 0.3026, 0.4028



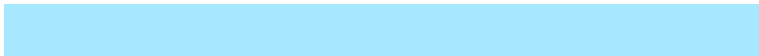
77.4944, 0.2592, 0.3621

# Triad

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



77.4944, 0.3026, 0.4028



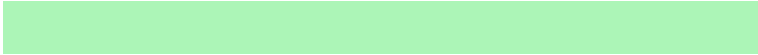
77.4944, 0.2375, 0.2539



77.4944, 0.4012, 0.3344

# Complementary

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



77.4944, 0.3026, 0.4028



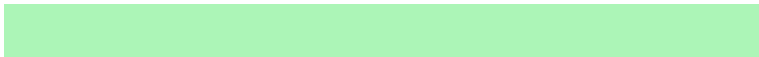
54.8753, 0.3249, 0.2650

# 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.



77.4944, 0.3660, 0.2972



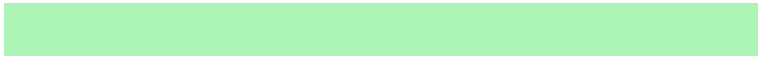
77.4944, 0.3026, 0.4028



77.4944, 0.2703, 0.2525

# Square

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



77.4944, 0.3026, 0.4028



77.4944, 0.2239, 0.2744



77.4944, 0.3170, 0.2682

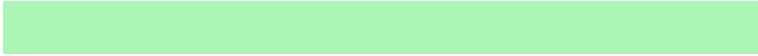


77.4944, 0.4100, 0.3730



# Rectangle

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



77.4944, 0.3026, 0.4028



77.4944, 0.2385, 0.3291



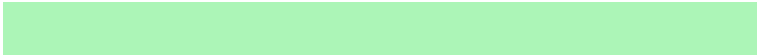
77.4944, 0.3170, 0.2682



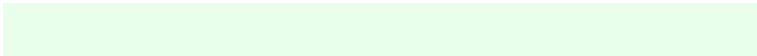
77.4944, 0.3920, 0.3215

# Sweetspot

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



77.4977, 0.3026, 0.4028



94.7108, 0.3097, 0.3486



85.9931, 0.3509, 0.4053



20.1017, 0.3092, 0.3520



0.0000, 0.0000, 0.0000

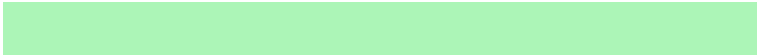


21.4041, 0.3127, 0.3290

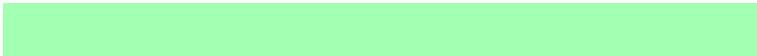


# Same Dimension

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



77.4977, 0.3026, 0.4028



82.5008, 0.3006, 0.4215



79.1544, 0.2835, 0.3598



18.5125, 0.3095, 0.3497



35.2645, 0.2965, 0.5875



3.1113, 0.2912, 0.5683



# Inverse Universe

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



54.8753, 0.3249, 0.2650



53.8901, 0.3280, 0.2515



53.0454, 0.3551, 0.3004



16.7231, 0.3161, 0.3091



12.9344, 0.3629, 0.1773

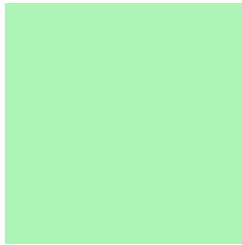


1.1482, 0.3568, 0.1739



# Previews

## White Background



This preview shows how the Yxy color 77.4944, 0.3026, 0.4028 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

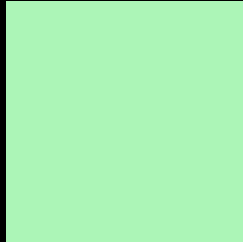
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4944, 0.3026, 0.4028 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

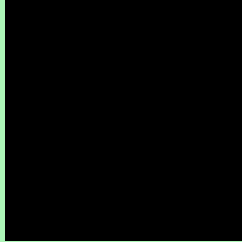
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.4944, 0.3026, 0.4028**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4944, 0.3026, 0.4028.

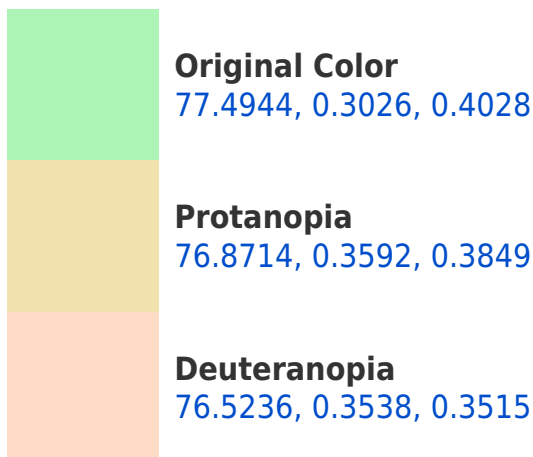


This preview shows how white text looks on a background with the Yxy color 77.4944, 0.3026, 0.4028.

# 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

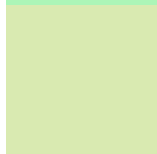
77.5858, 0.2716, 0.3093

# Trichromacy



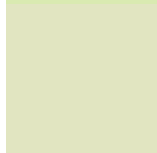
## Original Color

77.4944, 0.3026, 0.4028



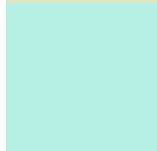
## Protanomaly

76.7717, 0.3371, 0.3923



## Deuteranomaly

75.8964, 0.3334, 0.3683



## Tritanomaly

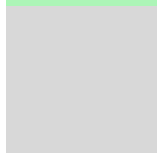
77.1582, 0.2829, 0.3414

# Monochromacy



## Original Color

77.4944, 0.3026, 0.4028



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

71.5772, 0.3087, 0.3553

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4944, 0.3026, 0.4028 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(172, 245, 183)` looks like.

```
.text, #text, p{  
    color:rgb(172, 245, 183)  
}
```

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(172, 245, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 245, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4944, 0.3026, 0.4028 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(172, 245, 183) }
```

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

```
.border{ border-color:rgb(172, 245, 183) }
```

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

Here you see how a box with a 4 pixel rgb(172, 245, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 245, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 245, 183);  
box-shadow:4px 4px 4px 4px rgb(172, 245,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4944, 0.3026, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 245, 183) }
```

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

```
.background{ background-color: rgb(172,  
245, 183) }
```

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