

# Converting Colors

$Yxy(77.9017, 0.2809, 0.3543)$

Have a look what the booklet for  
Yxy(77.9017, 0.2809, 0.3543)  
contains.

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# Color

**Yxy(77.8677, 0.2807, 0.3544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAF3DD
RGB	170, 243, 221
RGB Percent	67%, 95%, 87%
CMY	0.3334, 0.0470, 0.1334
CMYK	0.30, 0.00, 0.09, 0.05
HSL	162°, 75%, 81%
HSV	162°, 30%, 95%
XYZ	61.6746, 77.8677, 80.1747
YIQ	218.6650, -36.4460, -22.3180

# Conversions

## Conversions Part 2

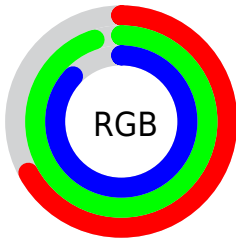
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 213, 243
Decimal	11203549
CIELab	90.72, -27.13, 3.40
CIELCh	91, 27.338, 172.862
Yxy	77.8677, 0.2807, 0.3544
Android (android.graphics.Color)	4289393629 (0xFFAAF3DD)
YUV	218.6650, 1.1512, -42.6792
Hunter-Lab	88.2427, -29.6675, 7.9007

# Details

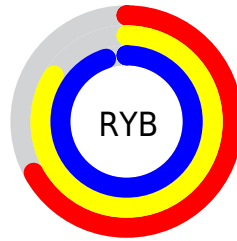
The Yxy color **77.8677, 0.2807, 0.3544** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.6058, 0.3599, 0.3052**, and the grayscale version is **70.6038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **41.9387, 0.2731, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **75.0264, 0.2717, 0.3644**, and if you desaturate by 10%, it is **81.2329, 0.2907, 0.3451**.

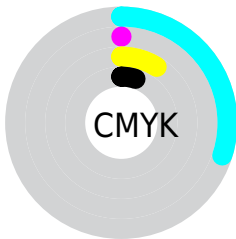
# Distribution



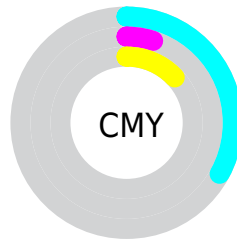
- Red (67%)
- Green (95%)
- Blue (87%)



- Red (67%)
- Yellow (84%)
- Blue (95%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)



- Cyan (33%)
- Magenta (5%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8677, 0.2807, 0.3544 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 77.8677, 0.2807, 0.3544 by changing the saturation by 10% instead.




 77.8677, 0.2807,  
0.3544

 77.8677, 0.2807,  
0.3544


487.7174, 0.2954,  
0.3426

 57.9653, 0.2774,  
0.3571

 130.3636, 0.2858,  
0.3503

 41.7808, 0.2733,  
0.3604


163.7259, 0.2878,  
0.3487

 28.9297, 0.2681,  
0.3647


202.3436, 0.2895,  
0.3474

 19.0276, 0.2614,  
0.3702


246.6012, 0.2910,  
0.3462

 11.6902, 0.2523,  
0.3778

296.8829, 0.2923,  
0.3451

 6.5331, 0.2394,  
0.3887


353.5733, 0.2934,


 3.1719, 0.2195,

0.3442

0.4059


417.0566, 0.2945,  
0.3434


 1.2221, 0.1696,  
0.4452


 0.0797, 0.0000,  
1.0000


 77.8677, 0.2807,  
0.3544

 77.8677, 0.2807,  
0.3544


 75.0264, 0.2717,  
0.3644


 81.2329, 0.2907,  
0.3451


 72.6717, 0.2641,  
0.3750

 85.1383, 0.3015,  
0.3367

 70.7763, 0.2581,  
0.3862

 89.6109, 0.3127,  
0.3290

 69.3060, 0.2540,  
0.3976

 92.2880, 0.3161,  
0.3220

■ 68.2220, 0.2519,  
0.4093

■ 92.5870, 0.3133,  
0.3175

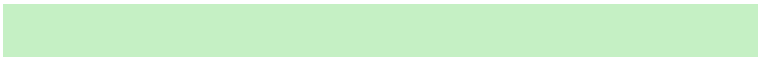
■ 67.4781, 0.2518,  
0.4208

■ 66.9987, 0.2534,  
0.4322

# Harmonies

## Analogous

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



77.8677, 0.3109, 0.3784



77.8677, 0.2807, 0.3544



77.8677, 0.2597, 0.3235

# Triad

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



77.8677, 0.2807, 0.3544



77.8677, 0.2813, 0.2764



77.8677, 0.3770, 0.3568

# Complementary

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



77.8677, 0.2807, 0.3544



51.6058, 0.3599, 0.3052

# 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.



77.8677, 0.3685, 0.3304



77.8677, 0.2807, 0.3544



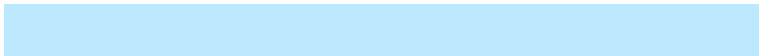
77.8677, 0.3119, 0.2856

# Square

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



77.8677, 0.2807, 0.3544



77.8677, 0.2601, 0.2798



77.8677, 0.3442, 0.3050

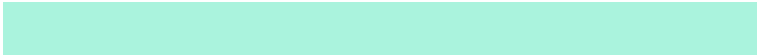


77.8677, 0.3672, 0.3779

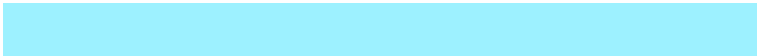


# Rectangle

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



77.8677, 0.2807, 0.3544



77.8677, 0.2531, 0.3044



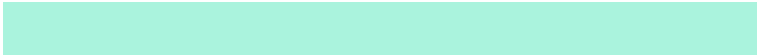
77.8677, 0.3442, 0.3050



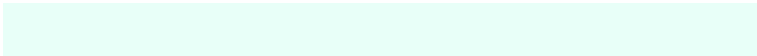
77.8677, 0.3762, 0.3483

# Sweetspot

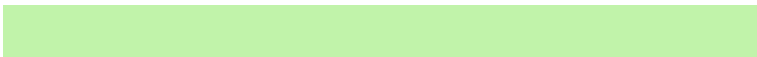
The Sweet Spot groups the original color and five complimentary colors.



77.8709, 0.2807, 0.3544



95.4664, 0.3026, 0.3359



78.3603, 0.3235, 0.4133



20.2874, 0.3010, 0.3370



0.0000, 0.0000, 0.0000

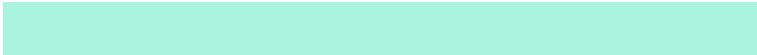


21.4041, 0.3127, 0.3290

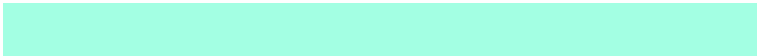


# Same Dimension

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



77.8709, 0.2807, 0.3544



84.8911, 0.2751, 0.3604



71.3991, 0.2676, 0.3135



18.6677, 0.3021, 0.3362



36.7930, 0.2529, 0.4303



3.2519, 0.2489, 0.4160



# Inverse Universe

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



51.6058, 0.3599, 0.3052



51.2820, 0.3733, 0.3002



55.9786, 0.3761, 0.3438



16.5648, 0.3246, 0.3219



10.7448, 0.5758, 0.2946

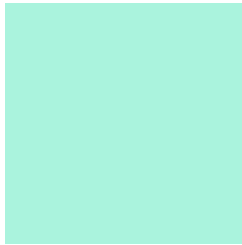


0.9618, 0.5404, 0.2751



# Previews

## White Background



This preview shows how the Yxy color 77.8677, 0.2807, 0.3544 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

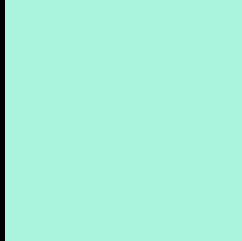
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.8677, 0.2807, 0.3544 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

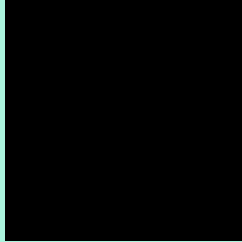
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

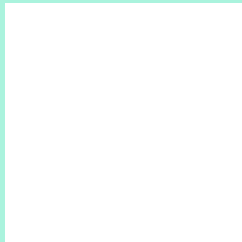
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.8677, 0.2807, 0.3544**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8677, 0.2807, 0.3544.

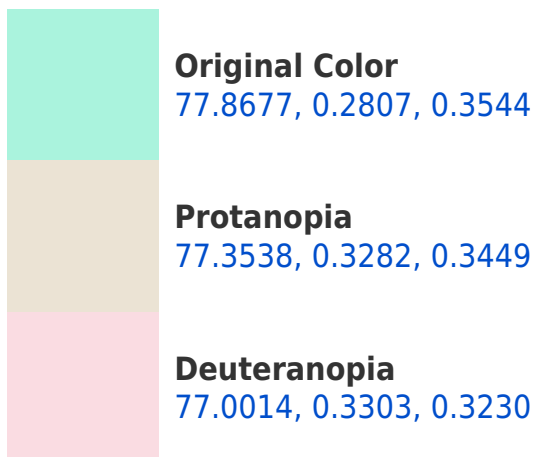


This preview shows how white text looks on a background with the Yxy color 77.8677, 0.2807, 0.3544.

# 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

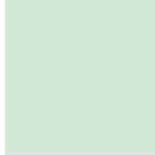
77.7335, 0.2690, 0.3092

# Trichromacy



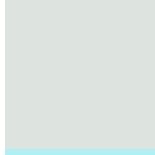
## Original Color

77.8677, 0.2807, 0.3544



## Protanomaly

77.0330, 0.3091, 0.3488



## Deuteranomaly

76.2408, 0.3105, 0.3333



## Tritanomaly

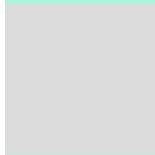
77.6690, 0.2732, 0.3244

# Monochromacy



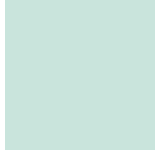
## Original Color

77.8677, 0.2807, 0.3544



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

73.0716, 0.2995, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  77.8677, 0.2807, 0.3544 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(170, 243, 221)` looks like.

```
.text, #text, p{  
    color:rgb(170, 243, 221)  
}
```

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(170, 243, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 243, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8677, 0.2807, 0.3544 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(170, 243, 221) }
```

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

```
.border{ border-color:rgb(170, 243, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 243, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 243, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 243, 221);  
box-shadow:4px 4px 4px 4px rgb(170, 243,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8677, 0.2807, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 243, 221) }
```

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

```
.background{ background-color: rgb(170,  
243, 221) }
```

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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