

# Converting Colors

$Yxy(78.7013, 0.2792, 0.3460)$

Have a look what the booklet for  
Yxy(78.7013, 0.2792, 0.3460)  
contains.

<b>Yxy(78.7013, 0.2792, 0.3460)</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(78.7013, 0.2792, 0.3460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEF3E4
RGB	174, 243, 228
RGB Percent	68%, 95%, 89%
CMY	0.3177, 0.0470, 0.1058
CMYK	0.28, 0.00, 0.06, 0.05
HSL	167°, 74%, 82%
HSV	167°, 28%, 95%
XYZ	63.5069, 78.7013, 85.2522
YIQ	220.6590, -36.3090, -19.2930

# Conversions

## Conversions Part 2

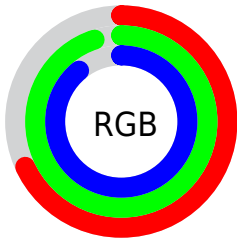
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 213, 243
Decimal	11465700
CIELab	91.10, -24.52, 0.32
CIELCh	91, 24.519, 179.260
Yxy	78.7013, 0.2792, 0.3460
Android (android.graphics.Color)	4289655780 (0xFFAEF3E4)
YUV	220.6590, 3.6191, -40.9199
Hunter-Lab	88.7138, -27.4674, 5.1231

# Details

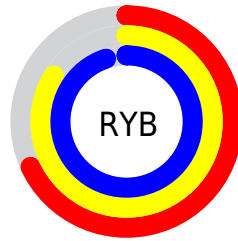
The Yxy color **78.7013, 0.2792, 0.3460** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.9922, 0.3617, 0.3128**, and the grayscale version is **72.0471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **42.4797, 0.2712, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **75.8731, 0.2692, 0.3530**, and if you desaturate by 10%, it is **82.0497, 0.2903, 0.3395**.

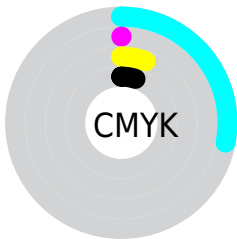
# Distribution



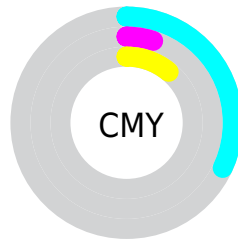
- Red (68%)
- Green (95%)
- Blue (89%)



- Red (68%)
- Yellow (84%)
- Blue (95%)



- Cyan (28%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)




- Cyan (32%)
- Magenta (5%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7013, 0.2792, 0.3460 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 78.7013, 0.2792, 0.3460 by changing the saturation by 10% instead.





 78.7013, 0.2792,  
0.3460

 78.7013, 0.2792,  
0.3460


490.5453, 0.2945,  
0.3383

 58.6503, 0.2758,  
0.3477


 131.5383, 0.2844,  
0.3433

 42.3316, 0.2716,  
0.3499


165.0930, 0.2865,  
0.3423

 29.3611, 0.2663,  
0.3526


203.9177, 0.2883,  
0.3414

 19.3541, 0.2594,  
0.3561

248.3968, 0.2898,  
0.3406

 11.9264, 0.2503,  
0.3607

298.9147, 0.2912,  
0.3399

 6.6936, 0.2373,  
0.3674


355.8559, 0.2924,


 3.2712, 0.2177,


0.3393


0.3774


419.6046, 0.2935,  
0.3388

 1.2749, 0.1777,  
0.3979


 0.1217, 0.0000,  
0.5244


 78.7013, 0.2792,  
0.3460


 78.7013, 0.2792,  
0.3460

 75.8731, 0.2692,  
0.3530


 82.0497, 0.2903,  
0.3395


 73.5282, 0.2605,  
0.3604

 85.9340, 0.3023,  
0.3336

 71.6398, 0.2535,  
0.3681


 90.3809, 0.3147,  
0.3282

 70.1748, 0.2484,  
0.3761


 92.2137, 0.3168,  
0.3231


 69.0954, 0.2452,  
0.3842

 92.5480, 0.3136,  
0.3181

 68.3569, 0.2441,  
0.3922

 92.5862, 0.3133,  
0.3175

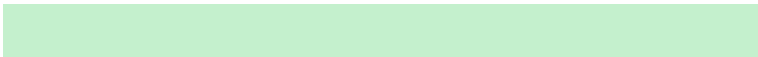
 67.8958, 0.2447,  
0.4002

 67.8339, 0.2449,  
0.4015

# Harmonies

## Analogous

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



78.7013, 0.3051, 0.3693



78.7013, 0.2792, 0.3460



78.7013, 0.2626, 0.3185

# Triad

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



78.7013, 0.2792, 0.3460



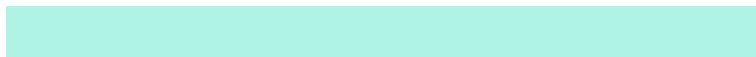
78.7013, 0.2900, 0.2826



78.7013, 0.3696, 0.3588

# Complementary

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



78.7013, 0.2792, 0.3460



52.9922, 0.3617, 0.3128

# 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.



78.7013, 0.3655, 0.3357



78.7013, 0.2792, 0.3460



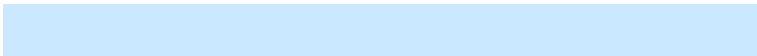
78.7013, 0.3184, 0.2930

# Square

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



78.7013, 0.2792, 0.3460



78.7013, 0.2686, 0.2832



78.7013, 0.3464, 0.3121

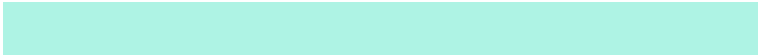


78.7013, 0.3577, 0.3756

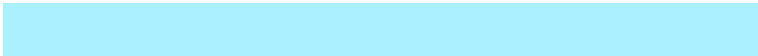


# Rectangle

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



78.7013, 0.2792, 0.3460



78.7013, 0.2586, 0.3024



78.7013, 0.3464, 0.3121



78.7013, 0.3701, 0.3515

# Sweetspot

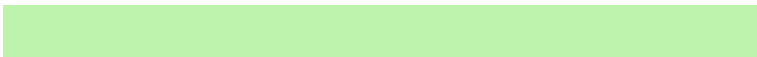
The Sweet Spot groups the original color and five complimentary colors.



78.7045, 0.2792, 0.3460



95.5873, 0.3015, 0.3339



78.1193, 0.3192, 0.4091



20.3173, 0.2997, 0.3348



0.0000, 0.0000, 0.0000

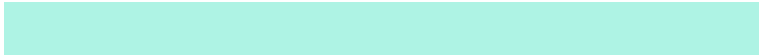


21.4041, 0.3127, 0.3290

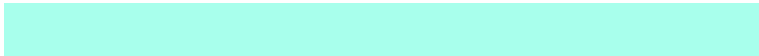


# Same Dimension

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



78.7045, 0.2792, 0.3460



85.9438, 0.2733, 0.3499



69.1020, 0.2692, 0.3078



18.6926, 0.3010, 0.3342



37.2476, 0.2445, 0.4002



3.2886, 0.2417, 0.3902



# Inverse Universe

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



52.9922, 0.3617, 0.3128



52.9696, 0.3755, 0.3094



59.9800, 0.3699, 0.3492



16.5414, 0.3259, 0.3239



10.6141, 0.6029, 0.3095

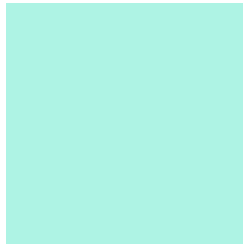


0.9475, 0.5689, 0.2908



# Previews

## White Background



This preview shows how the Yxy color 78.7013, 0.2792, 0.3460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

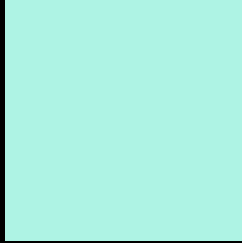
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7013, 0.2792, 0.3460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

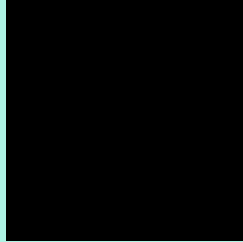
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.7013, 0.2792, 0.3460**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7013, 0.2792, 0.3460.

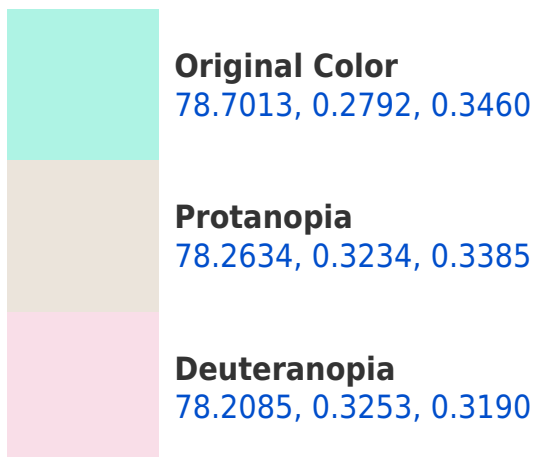


This preview shows how white text looks on a background with the Yxy color 78.7013, 0.2792, 0.3460.

# 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

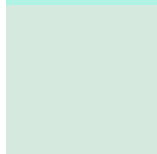
78.8082, 0.2713, 0.3104

# Trichromacy



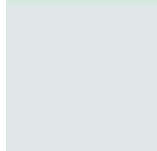
## Original Color

78.7013, 0.2792, 0.3460



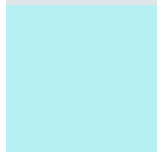
## Protanomaly

77.6979, 0.3061, 0.3409



## Deuteranomaly

77.8927, 0.3067, 0.3279



## Tritanomaly

78.8578, 0.2745, 0.3234

# Monochromacy



## Original Color

78.7013, 0.2792, 0.3460



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

74.2578, 0.2990, 0.3345

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7013, 0.2792, 0.3460 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(174, 243, 228)` looks like.

```
.text, #text, p{  
    color:rgb(174, 243, 228)  
}
```

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(174, 243, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 243, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7013, 0.2792, 0.3460 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(174, 243, 228) }
```

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

```
.border{ border-color:rgb(174, 243, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 243, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 243, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 243, 228); box-shadow:4px 4px 4px 4px rgb(174, 243, 228) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7013, 0.2792, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 243, 228) }
```

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

```
.background{ background-color: rgb(174,  
243, 228) }
```

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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