

# Converting Colors

$Yxy(78.5526, 0.2881, 0.3493)$

Have a look what the booklet for  
Yxy(78.5526, 0.2881, 0.3493)  
contains.

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# Color

**Yxy(78.5526, 0.2881, 0.3493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9F1DF
RGB	185, 241, 223
RGB Percent	73%, 95%, 87%
CMY	0.2743, 0.0549, 0.1256
CMYK	0.23, 0.00, 0.07, 0.05
HSL	161°, 67%, 84%
HSV	161°, 23%, 95%
XYZ	64.7896, 78.5526, 81.5436
YIQ	222.2040, -27.5980, -17.4700

# Conversions

## Conversions Part 2

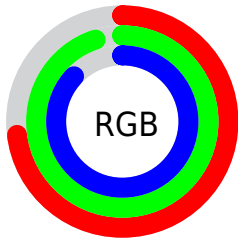
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 218, 241
Decimal	12186079
CIE <sub>Lab</sub>	91.03, -21.30, 2.91
CIE <sub>LCh</sub>	91, 21.501, 172.213
Yxy	78.5526, 0.2881, 0.3493
Android (android.graphics.Color)	4290376159 (0xFFB9F1DF)
YUV	222.2040, 0.3924, -32.6279
Hunter-Lab	88.6299, -24.6166, 7.4914

# Details

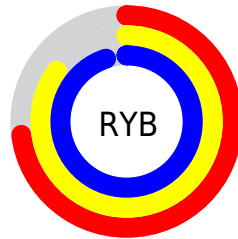
The Yxy color **78.5526, 0.2881, 0.3493** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.7371, 0.3455, 0.3097**, and the grayscale version is **73.2186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **42.3504, 0.2825, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **75.3980, 0.2786, 0.3595**, and if you desaturate by 10%, it is **82.2409, 0.2984, 0.3400**.

# Distribution



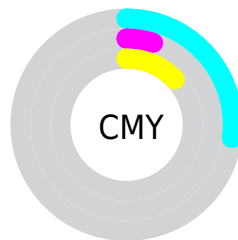
- Red (73%)
- Green (95%)
- Blue (87%)



- Red (73%)
- Yellow (85%)
- Blue (95%)



- Cyan (23%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)




- Cyan (27%)
- Magenta (5%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5526, 0.2881, 0.3493 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 78.5526, 0.2881, 0.3493 by changing the saturation by 10% instead.





 78.5526, 0.2881,  
0.3493

 78.5526, 0.2881,  
0.3493


490.0415, 0.2994,  
0.3399

 58.5280, 0.2855,  
0.3514


 131.3288, 0.2920,  
0.3461

 42.2333, 0.2824,  
0.3541


164.8493, 0.2935,  
0.3448

 29.2840, 0.2784,  
0.3574


203.6371, 0.2948,  
0.3437

 19.2958, 0.2733,  
0.3618

248.0768, 0.2960,  
0.3427

 11.8842, 0.2663,  
0.3678

298.5527, 0.2970,  
0.3419

 6.6649, 0.2564,  
0.3764


355.4492, 0.2979,


 3.2534, 0.2411,


0.3412


0.3899

419.1506, 0.2987,  
0.3405


 1.2654, 0.2107,  
0.4161


 0.1142, 0.0000,  
1.0000

 78.5526, 0.2881,  
0.3493

 78.5526, 0.2881,  
0.3493


 75.3980, 0.2786,  
0.3595


 82.2409, 0.2984,  
0.3400


 72.7416, 0.2702,  
0.3704


 86.4773, 0.3092,  
0.3315

 70.5584, 0.2633,  
0.3820


 90.8379, 0.3187,  
0.3239


 68.8176, 0.2580,  
0.3941


 91.3253, 0.3139,  
0.3165

 67.4845, 0.2547,  
0.4065

 91.3878, 0.3133,  
0.3156

 66.5190, 0.2534,  
0.4190

 65.8725, 0.2541,  
0.4314

 65.5658, 0.2555,  
0.4396

# Harmonies

## Analogous

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



78.5526, 0.3121, 0.3675



78.5526, 0.2881, 0.3493



78.5526, 0.2711, 0.3255

# Triad

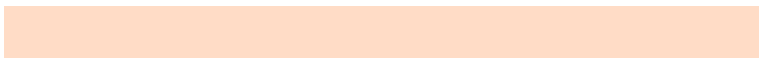
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5526, 0.2881, 0.3493



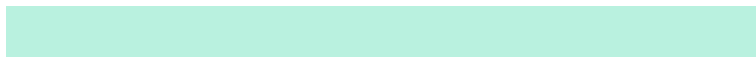
78.5526, 0.2876, 0.2872



78.5526, 0.3630, 0.3510

# Complementary

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



78.5526, 0.2881, 0.3493



57.7371, 0.3455, 0.3097

# 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.



78.5526, 0.3561, 0.3300



78.5526, 0.2881, 0.3493



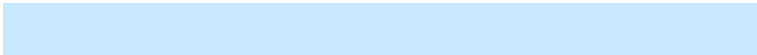
78.5526, 0.3117, 0.2942

# Square

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



78.5526, 0.2881, 0.3493



78.5526, 0.2708, 0.2904



78.5526, 0.3370, 0.3096



78.5526, 0.3558, 0.3674

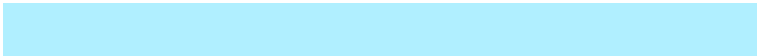


# Rectangle

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



78.5526, 0.2881, 0.3493



78.5526, 0.2656, 0.3105



78.5526, 0.3370, 0.3096



78.5526, 0.3623, 0.3442

# Sweetspot

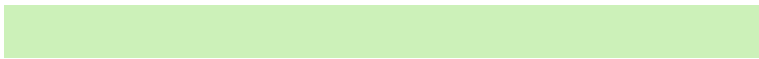
The Sweet Spot groups the original color and five complimentary colors.



78.5558, 0.2881, 0.3493



96.4056, 0.3050, 0.3346



79.2085, 0.3219, 0.3920



20.5716, 0.3044, 0.3352



0.0000, 0.0000, 0.0000

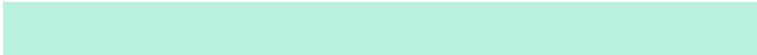


21.4041, 0.3127, 0.3290

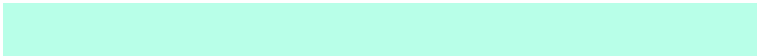


# Same Dimension

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



78.5558, 0.2881, 0.3493



87.4874, 0.2834, 0.3542



74.2009, 0.2775, 0.3185



17.8373, 0.3024, 0.3367



35.5821, 0.2549, 0.4376



2.9782, 0.2504, 0.4215



# Inverse Universe

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



57.7371, 0.3455, 0.3097



59.8603, 0.3546, 0.3054



60.9582, 0.3585, 0.3393



15.8428, 0.3243, 0.3214



10.4582, 0.5682, 0.2904

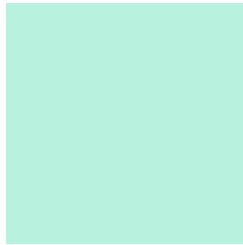


0.8875, 0.5311, 0.2699



# Previews

## White Background



This preview shows how the Yxy color 78.5526, 0.2881, 0.3493 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

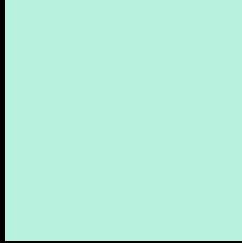
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.5526, 0.2881, 0.3493 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

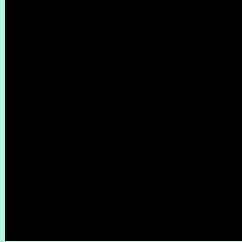
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

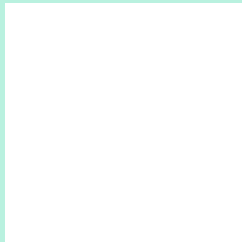
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.5526, 0.2881, 0.3493**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.5526, 0.2881, 0.3493.

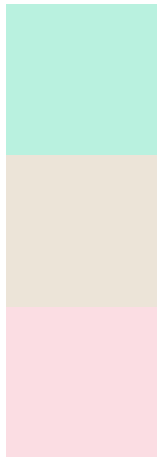


This preview shows how white text looks on a background with the Yxy color 78.5526, 0.2881, 0.3493.

# 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



### Original Color

78.5526, 0.2881, 0.3493

### Protanopia

78.2775, 0.3261, 0.3416

### Deuteranopia

77.7682, 0.3302, 0.3230



## Tritanopia

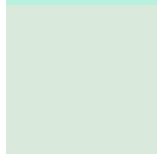
78.4174, 0.2745, 0.3084

# Trichromacy



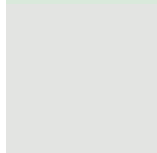
## Original Color

78.5526, 0.2881, 0.3493



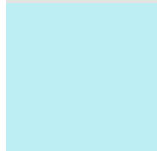
## Protanomaly

78.1440, 0.3107, 0.3441



## Deuteranomaly

77.3087, 0.3133, 0.3311



## Tritanomaly

78.4390, 0.2793, 0.3234

# Monochromacy



## Original Color

78.5526, 0.2881, 0.3493



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

74.8679, 0.3035, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.5526, 0.2881, 0.3493 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(185, 241, 223)` looks like.

```
.text, #text, p{  
    color:rgb(185, 241, 223)  
}
```

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(185, 241, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 241, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 78.5526, 0.2881, 0.3493 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(185, 241, 223) }
```

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

```
.border{ border-color:rgb(185, 241, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 241, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 241, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 241, 223);  
box-shadow:4px 4px 4px 4px rgb(185, 241,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.5526, 0.2881, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 241, 223) }
```

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

```
.background{ background-color: rgb(185,  
241, 223) }
```

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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