

# Converting Colors

$Yxy(78.8549, 0.2825, 0.3401)$

Have a look what the booklet for  
Yxy(78.8549, 0.2825, 0.3401)  
contains.

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# Color

**Yxy(78.7474, 0.2825, 0.3401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7F1E7
RGB	183, 241, 231
RGB Percent	72%, 95%, 91%
CMY	0.2824, 0.0549, 0.0940
CMYK	0.24, 0.00, 0.04, 0.05
HSL	170°, 67%, 83%
HSV	170°, 24%, 95%
XYZ	65.4106, 78.7474, 87.3839
YIQ	222.5180, -31.3580, -15.4060

# Conversions

## Conversions Part 2

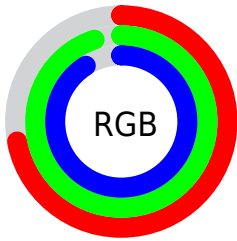
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 215, 241
Decimal	12055015
CIE Lab	91.12, -20.28, -1.17
CIE LCh	91, 20.316, 183.305
Yxy	78.7474, 0.2825, 0.3401
Android (android.graphics.Color)	4290245095 (0xFFB7F1E7)
YUV	222.5180, 4.1816, -34.6573
Hunter-Lab	88.7397, -23.7211, 3.7337

# Details

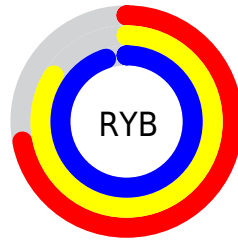
The Yxy color **78.7474, 0.2825, 0.3401** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.4137, 0.3545, 0.3183**, and the grayscale version is **73.4213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **42.4602, 0.2763, 0.3437** is the 20% darker color. If you saturate the color by 10%, you get **75.8130, 0.2715, 0.3454**, and if you desaturate by 10%, it is **82.1997, 0.2946, 0.3352**.

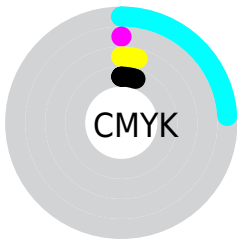
# Distribution



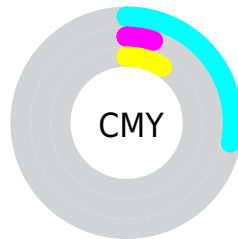
- Red (72%)
- Green (95%)
- Blue (91%)



- Red (72%)
- Yellow (84%)
- Blue (95%)



- Cyan (24%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (28%)
- Magenta (5%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7474, 0.2825, 0.3401 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 78.7474, 0.2825, 0.3401 by changing the saturation by 10% instead.




 78.7474, 0.2825,  
0.3401

 78.7474, 0.2825,  
0.3401


490.7014, 0.2962,  
0.3351

 58.6881, 0.2794,  
0.3412

 131.6032, 0.2872,  
0.3384

 42.3621, 0.2756,  
0.3426


165.1685, 0.2891,  
0.3377

 29.3850, 0.2709,  
0.3443


204.0047, 0.2907,  
0.3371

 19.3722, 0.2648,  
0.3464

248.4960, 0.2921,  
0.3366

 11.9395, 0.2566,  
0.3493

299.0270, 0.2933,  
0.3362

 6.7025, 0.2450,  
0.3534

355.9819, 0.2944,

 3.2768, 0.2274,

0.3358

419.7453, 0.2954,  
0.3354

0.3594

1.2779, 0.1956,  
0.3702

0.1240, 0.0000,  
0.3637

78.7474, 0.2825,  
0.3401

78.7474, 0.2825,  
0.3401

75.8130, 0.2715,  
0.3454

82.1997, 0.2946,  
0.3352

73.3611, 0.2617,  
0.3510


86.1843, 0.3074,  
0.3307


71.3668, 0.2536,  
0.3569


90.6709, 0.3204,  
0.3266

69.7990, 0.2473,  
0.3630

90.9244, 0.3179,  
0.3226

 68.6231, 0.2430,  
0.3693

 91.1835, 0.3153,  
0.3187

 67.7984, 0.2406,  
0.3755

 91.3922, 0.3133,  
0.3156

 67.2758, 0.2400,  
0.3817

 67.0647, 0.2404,  
0.3853

# Harmonies

## Analogous

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



78.7474, 0.3034, 0.3600



78.7474, 0.2825, 0.3401



78.7474, 0.2699, 0.3177

# Triad

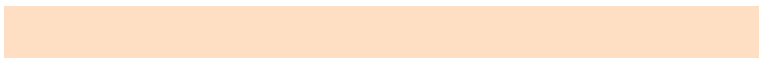
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7474, 0.2825, 0.3401



78.7474, 0.2969, 0.2908



78.7474, 0.3592, 0.3563

# Complementary

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



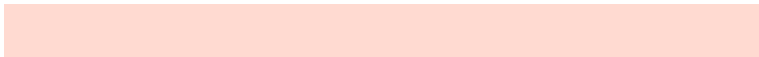
78.7474, 0.2825, 0.3401



56.4137, 0.3545, 0.3183

# 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.



78.7474, 0.3576, 0.3376



78.7474, 0.2825, 0.3401



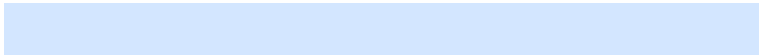
78.7474, 0.3209, 0.3007

# Square

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



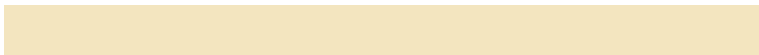
78.7474, 0.2825, 0.3401



78.7474, 0.2779, 0.2902



78.7474, 0.3433, 0.3175

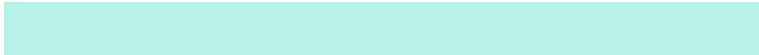


78.7474, 0.3479, 0.3688

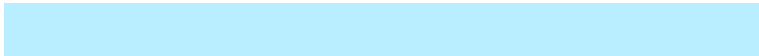


# Rectangle

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



78.7474, 0.2825, 0.3401



78.7474, 0.2675, 0.3048



78.7474, 0.3433, 0.3175



78.7474, 0.3601, 0.3505

# Sweetspot

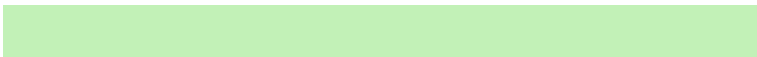
The Sweet Spot groups the original color and five complimentary colors.



78.7506, 0.2825, 0.3401



96.5745, 0.3035, 0.3320



77.7511, 0.3164, 0.3958



20.6108, 0.3027, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

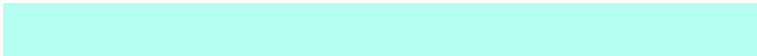


# Same Dimension

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



78.7506, 0.2825, 0.3401



87.7788, 0.2768, 0.3427



68.9970, 0.2754, 0.3081



17.8796, 0.3004, 0.3331



36.3845, 0.2401, 0.3843



3.0390, 0.2378, 0.3762



# Inverse Universe

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



56.4137, 0.3545, 0.3183



58.2118, 0.3662, 0.3159



64.0627, 0.3585, 0.3490



15.8031, 0.3266, 0.3250



10.2427, 0.6145, 0.3159

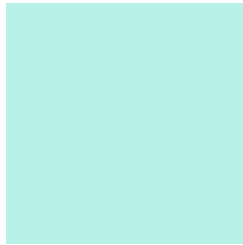


0.8647, 0.5808, 0.2973



# Previews

## White Background



This preview shows how the Yxy color 78.7474, 0.2825, 0.3401 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

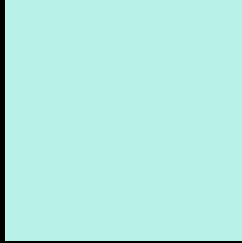
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7474, 0.2825, 0.3401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

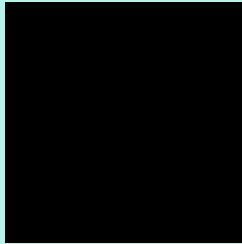
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

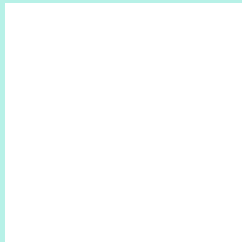
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.7474, 0.2825, 0.3401**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7474, 0.2825, 0.3401.

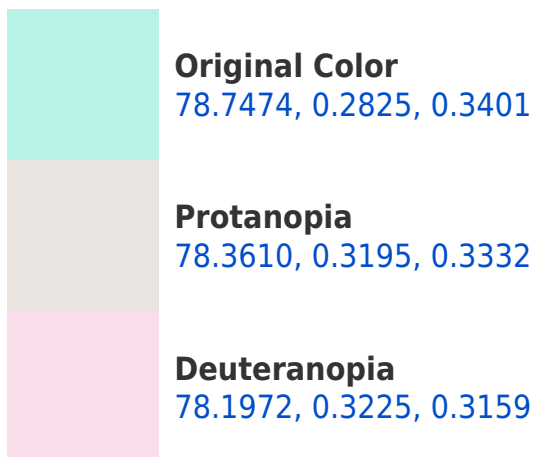


This preview shows how white text looks on a background with the Yxy color 78.7474, 0.2825, 0.3401.

# 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

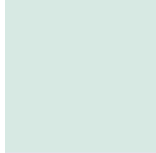
78.7355, 0.2734, 0.3094

# Trichromacy



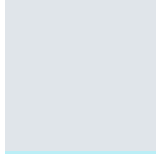
## Original Color

78.7474, 0.2825, 0.3401



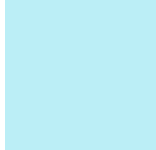
## Protanomaly

78.2710, 0.3044, 0.3354



## Deuteranomaly

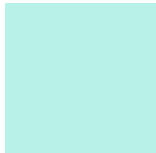
77.8264, 0.3062, 0.3237



## Tritanomaly

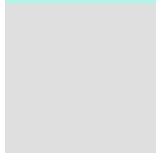
78.3677, 0.2765, 0.3201

# Monochromacy



## Original Color

78.7474, 0.2825, 0.3401



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.4945, 0.3004, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7474, 0.2825, 0.3401 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(183, 241, 231)` looks like.

```
.text, #text, p{  
    color:rgb(183, 241, 231)  
}
```

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(183, 241, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 241, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7474, 0.2825, 0.3401 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(183, 241, 231) }
```

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

```
.border{ border-color:rgb(183, 241, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 241, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 241, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 241, 231);  
box-shadow:4px 4px 4px 4px rgb(183, 241,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7474, 0.2825, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 241, 231) }
```

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

```
.background{ background-color: rgb(183,  
241, 231) }
```

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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