

# Converting Colors

$Yxy(78.4046, 0.2813, 0.3368)$

Have a look what the booklet for  
Yxy(78.4046, 0.2813, 0.3368)  
contains.

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# Color

**Yxy(78.2706, 0.2814, 0.3368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7F0E9
RGB	183, 240, 233
RGB Percent	72%, 94%, 91%
CMY	0.2823, 0.0588, 0.0864
CMYK	0.24, 0.00, 0.03, 0.06
HSL	173°, 66%, 83%
HSV	173°, 24%, 94%
XYZ	65.3959, 78.2706, 88.7284
YIQ	222.1590, -31.7250, -14.2610

# Conversions

## Conversions Part 2

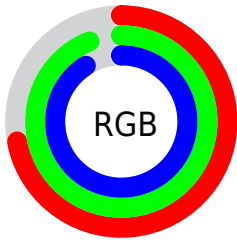
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 213, 240
Decimal	12054761
CIELab	90.90, -19.38, -2.49
CIElCh	91, 19.541, 187.329
Yxy	78.2706, 0.2814, 0.3368
Android (android.graphics.Color)	4290244841 (0xFFB7F0E9)
YUV	222.1590, 5.3446, -34.3424
Hunter-Lab	88.4707, -22.8797, 2.4668

# Details

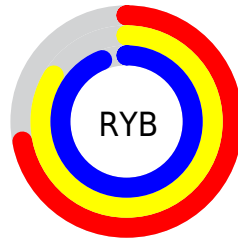
The Yxy color **78.2706, 0.2814, 0.3368** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.1211, 0.3561, 0.3214**, and the grayscale version is **73.1464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **42.1224, 0.2748, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **75.4091, 0.2698, 0.3406**, and if you desaturate by 10%, it is **81.6431, 0.2941, 0.3333**.

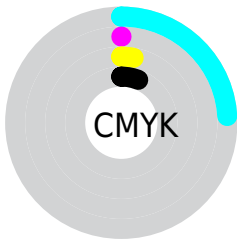
# Distribution



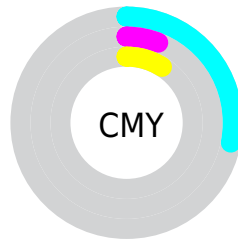
- Red (72%)
- Green (94%)
- Blue (91%)



- Red (72%)
- Yellow (84%)
- Blue (94%)



- Cyan (24%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)




- Cyan (28%)
- Magenta (6%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2706, 0.2814, 0.3368 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 78.2706, 0.2814, 0.3368 by changing the saturation by 10% instead.





 78.2706, 0.2814,  
0.3368

 78.2706, 0.2814,  
0.3368


489.0853, 0.2956,  
0.3334

 58.2963, 0.2782,  
0.3376


 130.9315, 0.2863,  
0.3356

 42.0469, 0.2743,  
0.3385


164.3869, 0.2882,  
0.3352

 29.1380, 0.2694,  
0.3396


203.1048, 0.2899,  
0.3348

 19.1853, 0.2631,  
0.3410

247.4696, 0.2913,  
0.3344

 11.8042, 0.2546,  
0.3429

297.8656, 0.2926,  
0.3341

 6.6105, 0.2426,  
0.3454

354.6773, 0.2937,

 3.2197, 0.2246,

0.3338

418.2891, 0.2947,  
0.3336

0.3490

1.2475, 0.1920,  
0.3553

0.1000, 0.0000,  
0.2610

78.2706, 0.2814,  
0.3368

78.2706, 0.2814,  
0.3368

75.4091, 0.2698,  
0.3406

81.6431, 0.2941,  
0.3333

73.0236, 0.2596,  
0.3445

85.5407, 0.3075,  
0.3301

71.0896, 0.2511,  
0.3487

89.9849, 0.3215,  
0.3272

69.5766, 0.2443,  
0.3530

90.1642, 0.3196,  
0.3244

■ 68.4502, 0.2395,  
0.3573

■ 90.3464, 0.3178,  
0.3215

■ 67.6707, 0.2367,  
0.3617

■ 90.5316, 0.3160,  
0.3187

■ 67.1896, 0.2357,  
0.3660

■ 90.7196, 0.3142,  
0.3158

■ 66.9947, 0.2357,  
0.3686

■ 90.8026, 0.3134,  
0.3146

# Harmonies

## Analogous

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



78.2706, 0.3007, 0.3566



78.2706, 0.2814, 0.3368



78.2706, 0.2705, 0.3154

# Triad

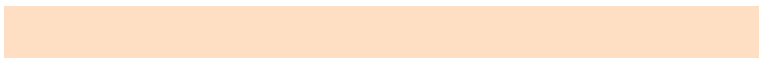
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2706, 0.2814, 0.3368



78.2706, 0.3005, 0.2929



78.2706, 0.3567, 0.3575

# Complementary

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



78.2706, 0.2814, 0.3368



56.1211, 0.3561, 0.3214

# 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.



78.2706, 0.3569, 0.3399



78.2706, 0.2814, 0.3368



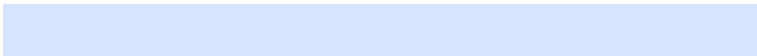
78.2706, 0.3237, 0.3036

# Square

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



78.2706, 0.2814, 0.3368



78.2706, 0.2812, 0.2911



78.2706, 0.3446, 0.3204



78.2706, 0.3444, 0.3683

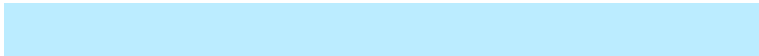


# Rectangle

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



78.2706, 0.2814, 0.3368



78.2706, 0.2692, 0.3036



78.2706, 0.3446, 0.3204



78.2706, 0.3582, 0.3521

# Sweetspot

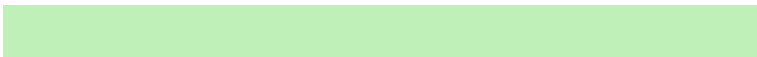
The Sweet Spot groups the original color and five complimentary colors.



78.2738, 0.2814, 0.3368



96.6293, 0.3030, 0.3311



76.7692, 0.3145, 0.3952



20.6235, 0.3022, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

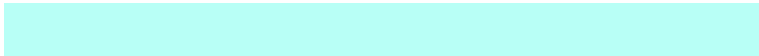


# Same Dimension

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



78.2738, 0.2814, 0.3368



88.3263, 0.2762, 0.3384



67.0816, 0.2757, 0.3051



17.8934, 0.2997, 0.3319



36.6860, 0.2355, 0.3679



3.0613, 0.2340, 0.3623



# Inverse Universe

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



56.1211, 0.3561, 0.3214



59.1991, 0.3668, 0.3200



65.0905, 0.3570, 0.3518



15.7906, 0.3274, 0.3261



10.2015, 0.6245, 0.3214

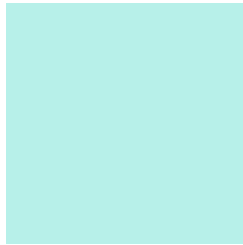


0.8588, 0.5960, 0.3057



# Previews

## White Background



This preview shows how the Yxy color 78.2706, 0.2814, 0.3368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

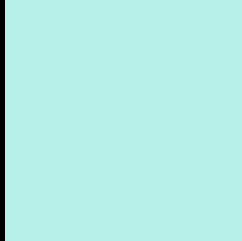
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.2706, 0.2814, 0.3368 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

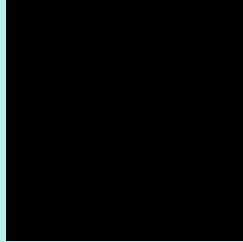
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.2706, 0.2814, 0.3368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.2706, 0.2814, 0.3368.

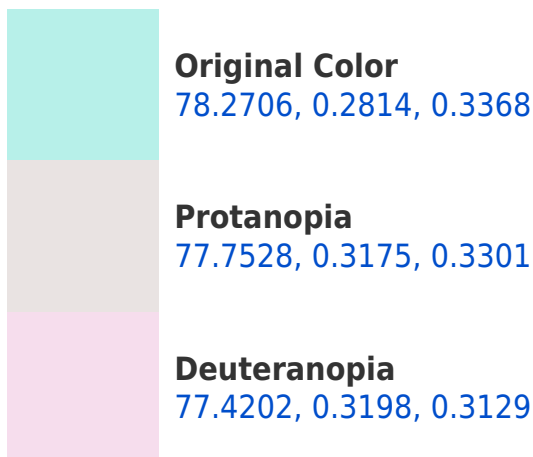


This preview shows how white text looks on a background with the Yxy color 78.2706, 0.2814, 0.3368.

# 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

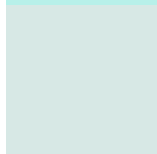
78.0297, 0.2728, 0.3083

# Trichromacy



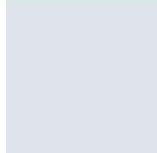
## Original Color

78.2706, 0.2814, 0.3368



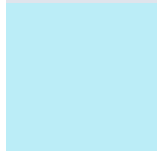
## Protanomaly

77.8174, 0.3032, 0.3322



## Deuteranomaly

77.2309, 0.3043, 0.3205



## Tritanomaly

77.8486, 0.2759, 0.3179

# Monochromacy



## Original Color

78.2706, 0.2814, 0.3368



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

74.9395, 0.3004, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.2706, 0.2814, 0.3368 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, 240, 233)` looks like.

```
.text, #text, p{  
    color:rgb(183, 240, 233)  
}
```

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, 240, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 240, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 78.2706, 0.2814, 0.3368 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, 240, 233) }
```

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

```
.border{ border-color:rgb(183, 240, 233) }
```

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

Here you see how a box with a 4 pixel rgb(183, 240, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 240, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 240, 233);  
box-shadow:4px 4px 4px 4px rgb(183, 240,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.2706, 0.2814, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 240, 233) }
```

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

```
.background{ background-color: rgb(183,  
240, 233) }
```

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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