

# Converting Colors

$Yxy(78.1680, 0.2963, 0.3623)$

Have a look what the booklet for  
Yxy(78.1680, 0.2963, 0.3623)  
contains.

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# Color

**Yxy(78.3051, 0.2966, 0.3631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCF1D3
RGB	188, 241, 211
RGB Percent	74%, 95%, 83%
CMY	0.2625, 0.0549, 0.1724
CMYK	0.22, 0.00, 0.12, 0.05
HSL	146°, 65%, 84%
HSV	146°, 22%, 95%
XYZ	63.9639, 78.3051, 73.3881
YIQ	221.7330, -21.9580, -20.5660

# Conversions

## Conversions Part 2

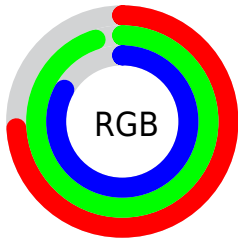
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 225, 241
Decimal	12382675
CIELab	90.92, -22.69, 8.99
CIELCh	91, 24.410, 158.395
Yxy	78.3051, 0.2966, 0.3631
Android (android.graphics.Color)	4290572755 (0xFFBCF1D3)
YUV	221.7330, -5.2914, -29.5838
Hunter-Lab	88.4902, -25.8315, 12.7718

# Details

The Yxy color **78.3051, 0.2966, 0.3631** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.7507, 0.3329, 0.2972**, and the grayscale version is **72.9079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **42.1666, 0.2931, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **74.8424, 0.2899, 0.3814**, and if you desaturate by 10%, it is **82.3435, 0.3038, 0.3465**.

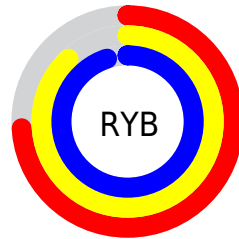
# Distribution



Red (74%)

Green (95%)

Blue (83%)



Red (74%)

Yellow (88%)

Blue (95%)

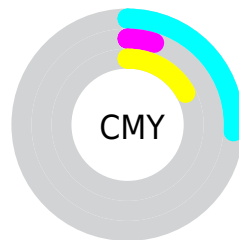


Cyan (22%)

Magenta (0%)

Yellow (12%)

Black (5%)



Cyan (26%)

Magenta (5%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3051, 0.2966, 0.3631 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 78.3051, 0.2966, 0.3631 by changing the saturation by 10% instead.




 78.3051, 0.2966,  
0.3631

 78.3051, 0.2966,  
0.3631


489.2024, 0.3042,  
0.3471

 58.3246, 0.2948,  
0.3668


 130.9801, 0.2992,  
0.3575

 42.0697, 0.2927,  
0.3714


164.4435, 0.3003,  
0.3554

 29.1559, 0.2899,  
0.3773


203.1699, 0.3011,  
0.3535

 19.1988, 0.2862,  
0.3851

247.5439, 0.3019,  
0.3519

 11.8140, 0.2812,  
0.3958

297.9497, 0.3026,  
0.3505

 6.6171, 0.2737,  
0.4116


354.7718, 0.3032,


 3.2238, 0.2617,


0.3492


0.4369


418.3945, 0.3037,  
0.3481

 1.2497, 0.2349,  
0.4935


 0.1017, 0.0000,  
1.0000

 78.3051, 0.2966,  
0.3631


 78.3051, 0.2966,  
0.3631


 74.8424, 0.2899,  
0.3814


 82.3435, 0.3038,  
0.3465


 71.9187, 0.2839,  
0.4013


 86.9728, 0.3112,  
0.3317


 69.5084, 0.2790,  
0.4226


 91.1909, 0.3152,  
0.3185


 67.5796, 0.2756,  
0.4448

 91.3859, 0.3133,  
0.3156

 66.0969, 0.2739,  
0.4672

 65.0194, 0.2742,  
0.4891

 64.2984, 0.2764,  
0.5099

 63.9174, 0.2792,  
0.5252

# Harmonies

## Analogous

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



78.3051, 0.3252, 0.3783



78.3051, 0.2966, 0.3631



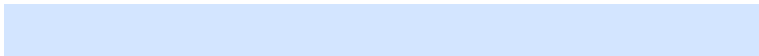
78.3051, 0.2730, 0.3376

# Triad

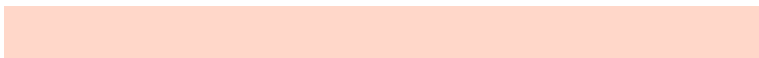
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3051, 0.2966, 0.3631



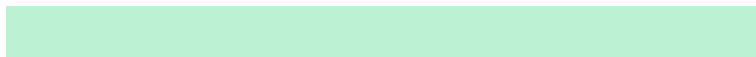
78.3051, 0.2742, 0.2819



78.3051, 0.3683, 0.3430

# Complementary

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



78.3051, 0.2966, 0.3631



59.7507, 0.3329, 0.2972

# 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.



78.3051, 0.3534, 0.3190



78.3051, 0.2966, 0.3631



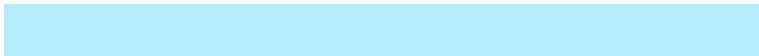
78.3051, 0.2983, 0.2848

# Square

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



78.3051, 0.2966, 0.3631



78.3051, 0.2606, 0.2908



78.3051, 0.3274, 0.2982

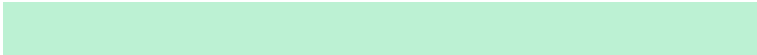


78.3051, 0.3674, 0.3648



# Rectangle

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



78.3051, 0.2966, 0.3631



78.3051, 0.2630, 0.3193



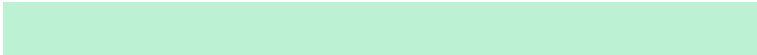
78.3051, 0.3274, 0.2982



78.3051, 0.3650, 0.3350

# Sweetspot

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



78.3084, 0.2966, 0.3631



96.1366, 0.3075, 0.3390



81.4523, 0.3299, 0.3868



20.5093, 0.3070, 0.3399



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

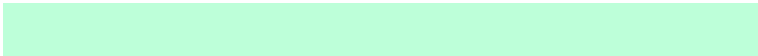


# Same Dimension

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



78.3084, 0.2966, 0.3631



87.3349, 0.2938, 0.3704



79.7453, 0.2820, 0.3328



17.7703, 0.3057, 0.3427



34.6895, 0.2784, 0.5222



2.9055, 0.2712, 0.4964



# Inverse Universe

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



59.7507, 0.3329, 0.2972



63.0297, 0.3377, 0.2910



58.4751, 0.3545, 0.3253



15.9087, 0.3205, 0.3157



11.1388, 0.4680, 0.2352

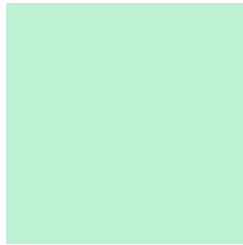


0.9466, 0.4433, 0.2216



# Previews

## White Background



This preview shows how the Yxy color 78.3051, 0.2966, 0.3631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

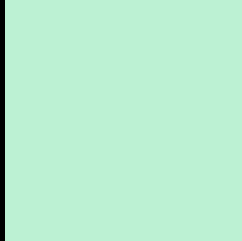
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3051, 0.2966, 0.3631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

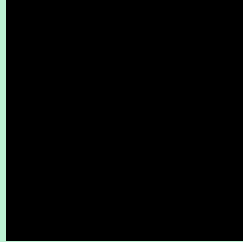
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

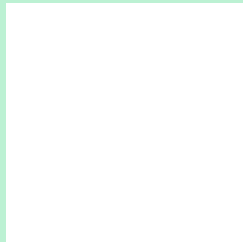
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.3051, 0.2966, 0.3631**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.3051, 0.2966, 0.3631.

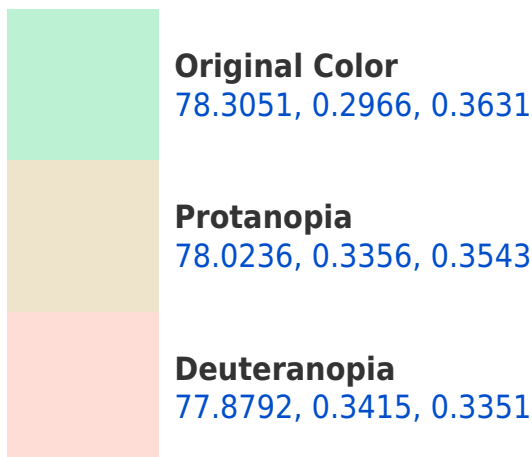


This preview shows how white text looks on a background with the Yxy color 78.3051, 0.2966, 0.3631.

# 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

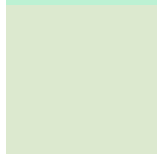
78.3082, 0.2772, 0.3085

# Trichromacy



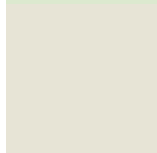
## Original Color

78.3051, 0.2966, 0.3631



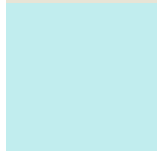
## Protanomaly

77.9985, 0.3203, 0.3573



## Deuteranomaly

77.3308, 0.3239, 0.3439



## Tritanomaly

78.0789, 0.2843, 0.3278

# Monochromacy



## Original Color

78.3051, 0.2966, 0.3631



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

74.8022, 0.3067, 0.3411

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3051, 0.2966, 0.3631 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(188, 241, 211)` looks like.

```
.text, #text, p{  
    color:rgb(188, 241, 211)  
}
```

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(188, 241, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 241, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3051, 0.2966, 0.3631 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(188, 241, 211) }
```

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

```
.border{ border-color:rgb(188, 241, 211) }
```

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

Here you see how a box with a 4 pixel rgb(188, 241, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 241, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 241, 211);  
box-shadow:4px 4px 4px 4px rgb(188, 241,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3051, 0.2966, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 241, 211) }
```

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

```
.background{ background-color: rgb(188,  
241, 211) }
```

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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