

Converting Colors

$Yxy(78.3787, 0.2929, 0.3564)$

Have a look what the booklet for
Yxy(78.3787, 0.2929, 0.3564)
contains.

Yxy(78.4851, 0.2926, 0.3562)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.4851, 0.2926, 0.3562)

Conversions

Conversions Part 1

Format	Color
Hex	BBF1D9
RGB	187, 241, 217
RGB Percent	73%, 95%, 85%
CMY	0.2667, 0.0549, 0.1491
CMYK	0.22, 0.00, 0.10, 0.05
HSL	153°, 66%, 84%
HSV	153°, 22%, 95%
XYZ	64.4715, 78.4851, 77.3834
YIQ	222.1180, -24.4800, -18.9120

Conversions

Conversions Part 2

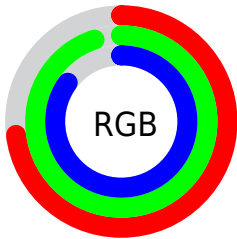
Format	Color
RYB	187, 222, 241
Decimal	12317145
CIELab	91.00, -21.89, 6.00
CIElCh	91, 22.700, 164.666
Yxy	78.4851, 0.2926, 0.3562
Android (android.graphics.Color)	4290507225 (0xFFBBF1D9)
YUV	222.1180, -2.5232, -30.7985
Hunter-Lab	88.5918, -25.1348, 10.2255

Details

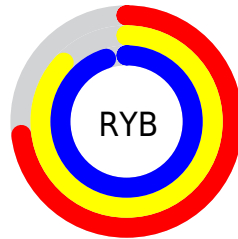
The Yxy color **78.4851, 0.2926, 0.3562** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.9487, 0.3387, 0.3034**, and the grayscale version is **73.1671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **42.2931, 0.2881, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **75.1595, 0.2844, 0.3704**, and if you desaturate by 10%, it is **82.3636, 0.3014, 0.3433**.

Distribution



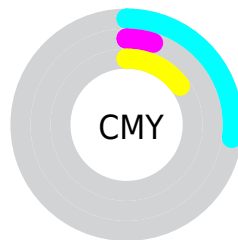
- Red (73%)
- Green (95%)
- Blue (85%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)





- Cyan (27%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4851, 0.2926, 0.3562 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 78.4851, 0.2926, 0.3562 by changing the saturation by 10% instead.


 78.4851, 0.2926,
0.3562

 78.4851, 0.2926,
0.3562


489.8127, 0.3019,
0.3435

 58.4726, 0.2905,
0.3591


 131.2337, 0.2958,
0.3518

 42.1887, 0.2878,
0.3627


164.7386, 0.2971,
0.3501

 29.2491, 0.2845,
0.3673


203.5097, 0.2982,
0.3486

 19.2693, 0.2802,
0.3734

247.9315, 0.2991,
0.3473

 11.8650, 0.2742,
0.3817

298.3883, 0.2999,
0.3462

 6.6518, 0.2657,
0.3939

355.2645, 0.3007,

 3.2453, 0.2522,

0.3452

0.4133

418.9445, 0.3013,
0.3443

1.2611, 0.2233,
0.4519

0.1108, 0.0000,
1.0000

78.4851, 0.2926,
0.3562

78.4851, 0.2926,
0.3562

75.1595, 0.2844,
0.3704

82.3636, 0.3014,
0.3433

72.3508, 0.2772,
0.3859

86.8094, 0.3105,
0.3316


70.0340, 0.2713,
0.4023

91.0230, 0.3169,
0.3212


68.1779, 0.2669,
0.4195

91.3942, 0.3133,
0.3156

 66.7477, 0.2644,
0.4371

 65.7034, 0.2640,
0.4547

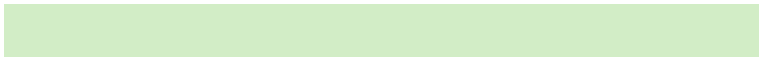
 64.9967, 0.2656,
0.4718

 64.6296, 0.2679,
0.4843

Harmonies

Analogous

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



78.4851, 0.3188, 0.3728



78.4851, 0.2926, 0.3562



78.4851, 0.2723, 0.3317

Triad

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



78.4851, 0.2926, 0.3562



78.4851, 0.2809, 0.2847



78.4851, 0.3654, 0.3468

Complementary

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



78.4851, 0.2926, 0.3562



58.9487, 0.3387, 0.3034

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.



78.4851, 0.3545, 0.3244



78.4851, 0.2926, 0.3562



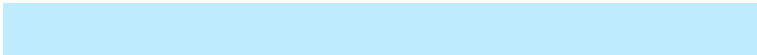
78.4851, 0.3048, 0.2896

Square

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



78.4851, 0.2926, 0.3562



78.4851, 0.2658, 0.2909



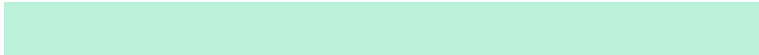
78.4851, 0.3319, 0.3039



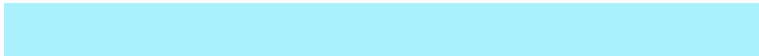
78.4851, 0.3615, 0.3658

Rectangle

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



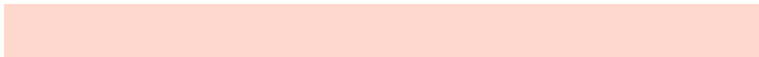
78.4851, 0.2926, 0.3562



78.4851, 0.2646, 0.3151



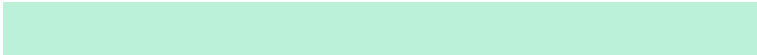
78.4851, 0.3319, 0.3039



78.4851, 0.3634, 0.3394

Sweetspot

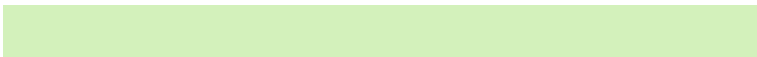
The Sweet Spot groups the original color and five complimentary colors.



78.4884, 0.2926, 0.3562



96.2694, 0.3063, 0.3368



80.3962, 0.3259, 0.3888



20.5401, 0.3057, 0.3375



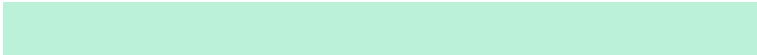
0.0000, 0.0000, 0.0000



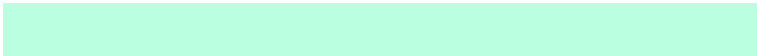
21.4041, 0.3127, 0.3290

Same Dimension

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



78.4884, 0.2926, 0.3562



87.3799, 0.2887, 0.3627



78.2440, 0.2792, 0.3259



17.8033, 0.3040, 0.3397



35.0728, 0.2671, 0.4816



2.9377, 0.2610, 0.4596

Inverse Universe

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



58.9487, 0.3387, 0.3034



61.4393, 0.3456, 0.2977



58.9887, 0.3580, 0.3321



15.8757, 0.3223, 0.3185



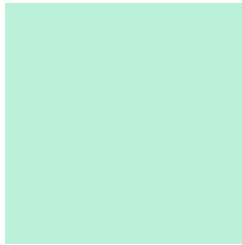
10.7453, 0.5191, 0.2633



0.9136, 0.4865, 0.2454

Previews

White Background



This preview shows how the Yxy color 78.4851, 0.2926, 0.3562 looks on a white background.

Color Contrast Check

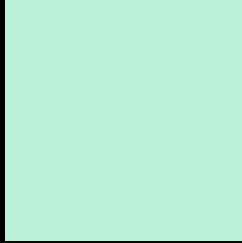
Large Text (above 18pt) WCAG AA × Fail

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 78.4851, 0.2926, 0.3562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

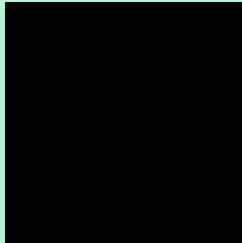
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

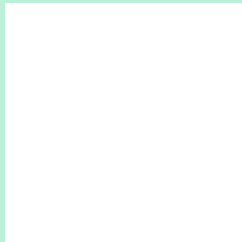
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4851, 0.2926, 0.3562

Background



This preview shows how black text looks on a background with the Yxy color 78.4851, 0.2926, 0.3562.

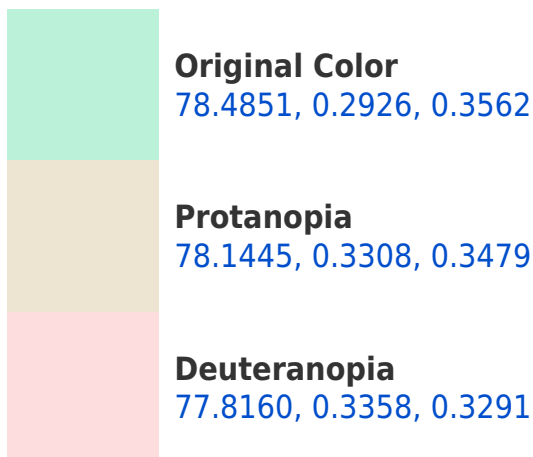


This preview shows how white text looks on a background with the Yxy color 78.4851, 0.2926, 0.3562.

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

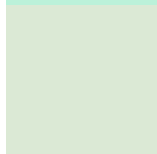
78.6160, 0.2761, 0.3095

Trichromacy



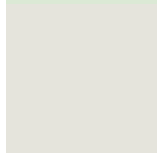
Original Color

78.4851, 0.2926, 0.3562



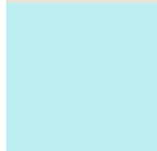
Protanomaly

78.1420, 0.3158, 0.3507



Deuteranomaly

77.3121, 0.3186, 0.3375



Tritanomaly

78.5763, 0.2815, 0.3256

Monochromacy



Original Color

78.4851, 0.2926, 0.3562



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

74.7612, 0.3048, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4851, 0.2926, 0.3562 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(187, 241, 217)` looks like.

```
.text, #text, p{  
    color:rgb(187, 241, 217)  
}
```

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(187, 241, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 241, 217) }
```

Border

The CSS property to change the border of an element to Yxy 78.4851, 0.2926, 0.3562 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(187, 241, 217) }
```

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

```
.border{ border-color:rgb(187, 241, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 241, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 241, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 241, 217);  
box-shadow:4px 4px 4px 4px rgb(187, 241,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4851, 0.2926, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 241, 217) }
```

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

```
.background{ background-color: rgb(187,  
241, 217) }
```

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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