

# Converting Colors

$Yxy(77.3356, 0.2882, 0.3573)$

Have a look what the booklet for  
Yxy(77.3356, 0.2882, 0.3573)  
contains.

<b>Yxy(77.4522, 0.2884, 0.3577)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(77.4522, 0.2884, 0.3577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3F1D8
RGB	179, 241, 216
RGB Percent	70%, 95%, 85%
CMY	0.2979, 0.0549, 0.1529
CMYK	0.26, 0.00, 0.10, 0.05
HSL	156°, 69%, 82%
HSV	156°, 26%, 95%
XYZ	62.4468, 77.4522, 76.6294
YIQ	219.6120, -28.9270, -20.9190

# Conversions

## Conversions Part 2

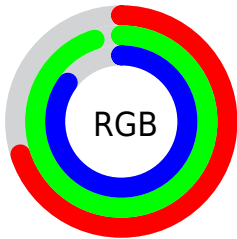
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 218, 241
Decimal	11792856
CIELab	90.53, -24.51, 5.77
CIELCh	91, 25.178, 166.748
Yxy	77.4522, 0.2884, 0.3577
Android (android.graphics.Color)	4289982936 (0xFFB3F1D8)
YUV	219.6120, -1.7807, -35.6167
Hunter-Lab	88.0069, -27.3545, 9.9799

# Details

The Yxy color **77.4522, 0.2884, 0.3577** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.3153, 0.3457, 0.3021**, and the grayscale version is **71.3201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **41.6311, 0.2830, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **74.3417, 0.2801, 0.3709**, and if you desaturate by 10%, it is **81.1007, 0.2975, 0.3456**.

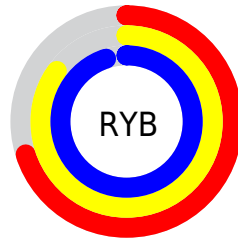
# Distribution



Red (70%)

Green (95%)

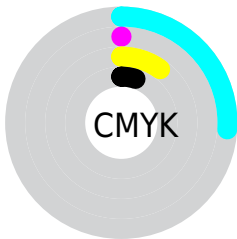
Blue (85%)



Red (70%)

Yellow (85%)

Blue (95%)

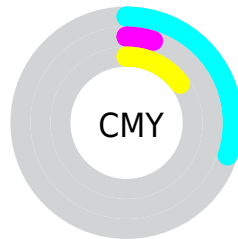


Cyan (26%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (30%)

Magenta (5%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4522, 0.2884, 0.3577 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 77.4522, 0.2884, 0.3577 by changing the saturation by 10% instead.



 77.4522, 0.2884,  
0.3577

 77.4522, 0.2884,  
0.3577


486.3044, 0.2997,  
0.3443

 57.6241, 0.2858,  
0.3608

 129.7776, 0.2923,  
0.3530

 41.5065, 0.2827,  
0.3646


163.0437, 0.2938,  
0.3512

 28.7151, 0.2786,  
0.3695

201.5579, 0.2951,  
0.3497

 18.8654, 0.2734,  
0.3760

245.7046, 0.2963,  
0.3483

 11.5730, 0.2662,  
0.3849

295.8682, 0.2973,  
0.3471

 6.4537, 0.2558,  
0.3979

352.4331, 0.2982,

 3.1229, 0.2396,

0.3461

0.4187

415.7837, 0.2989,  
0.3451

1.1962, 0.1982,  
0.4652

0.0586, 0.0000,  
1.0000

77.4522, 0.2884,  
0.3577

77.4522, 0.2884,  
0.3577

74.3417, 0.2801,  
0.3709

81.1007, 0.2975,  
0.3456

71.7329, 0.2728,  
0.3851

85.3023, 0.3071,  
0.3347

69.6002, 0.2670,  
0.4001

90.0832, 0.3169,  
0.3249

67.9113, 0.2628,  
0.4157

91.3818, 0.3134,  
0.3157

■ 66.6303, 0.2607,  
0.4316

■ 91.3892, 0.3133,  
0.3156

■ 65.7149, 0.2606,  
0.4474

■ 65.1133, 0.2625,  
0.4629

■ 64.9170, 0.2637,  
0.4694

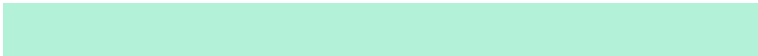
# Harmonies

## Analogous

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



77.4522, 0.3173, 0.3772



77.4522, 0.2884, 0.3577



77.4522, 0.2667, 0.3299

# Triad

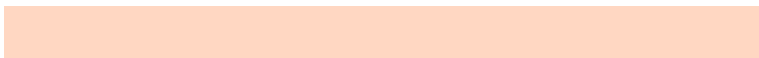
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4522, 0.2884, 0.3577



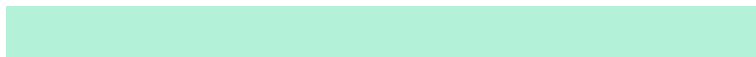
77.4522, 0.2789, 0.2799



77.4522, 0.3718, 0.3502

# Complementary

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



77.4522, 0.2884, 0.3577



55.3153, 0.3457, 0.3021

# 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.



77.4522, 0.3606, 0.3254



77.4522, 0.2884, 0.3577



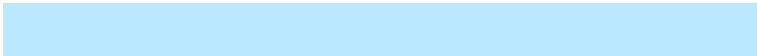
77.4522, 0.3059, 0.2862

# Square

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



77.4522, 0.2884, 0.3577



77.4522, 0.2614, 0.2857



77.4522, 0.3361, 0.3025

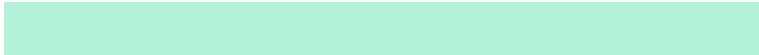


77.4522, 0.3661, 0.3710

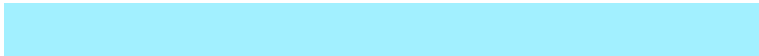


# Rectangle

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



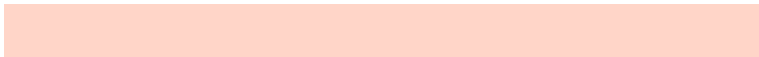
77.4522, 0.2884, 0.3577



77.4522, 0.2588, 0.3115



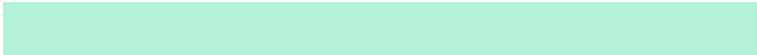
77.4522, 0.3361, 0.3025



77.4522, 0.3699, 0.3420

# Sweetspot

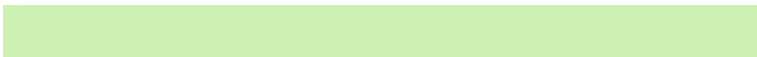
The Sweet Spot groups the original color and five complimentary colors.



77.4554, 0.2884, 0.3577



95.8156, 0.3049, 0.3371



79.1235, 0.3263, 0.3988



20.3502, 0.3034, 0.3388



0.0000, 0.0000, 0.0000

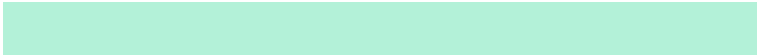


21.4041, 0.3127, 0.3290

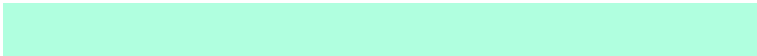


# Same Dimension

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



77.4554, 0.2884, 0.3577



86.0785, 0.2838, 0.3647



75.8340, 0.2745, 0.3231



17.8148, 0.3035, 0.3387



35.2312, 0.2630, 0.4669



2.9505, 0.2574, 0.4467



# Inverse Universe

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



55.3153, 0.3457, 0.3021



56.8367, 0.3550, 0.2962



56.3199, 0.3662, 0.3348



15.8645, 0.3230, 0.3195



10.6360, 0.5364, 0.2728

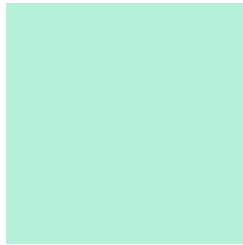


0.9040, 0.5017, 0.2537



# Previews

## White Background



This preview shows how the Yxy color 77.4522, 0.2884, 0.3577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

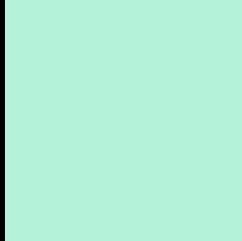
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4522, 0.2884, 0.3577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

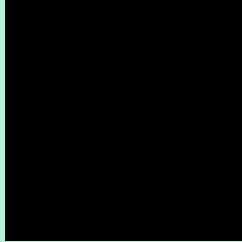
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

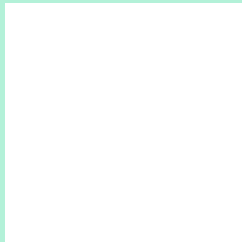
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.4522, 0.2884, 0.3577**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4522, 0.2884, 0.3577.

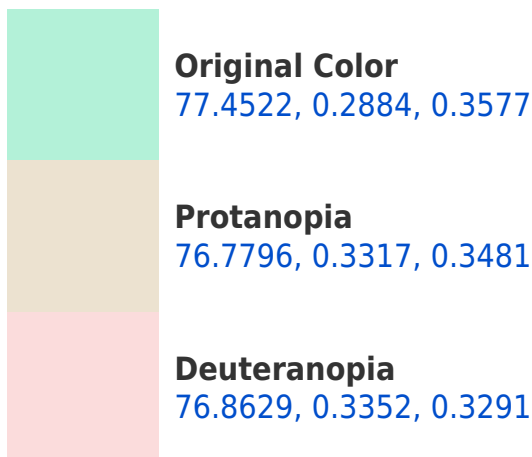


This preview shows how white text looks on a background with the Yxy color 77.4522, 0.2884, 0.3577.

# 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

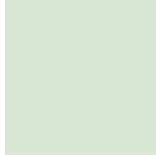
77.1372, 0.2720, 0.3082

# Trichromacy



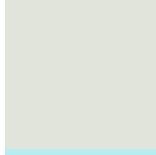
## Original Color

77.4522, 0.2884, 0.3577



## Protanomaly

76.3020, 0.3144, 0.3510



## Deuteranomaly

76.6088, 0.3164, 0.3386



## Tritanomaly

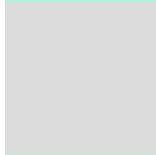
77.0500, 0.2779, 0.3256

# Monochromacy



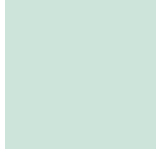
## Original Color

77.4522, 0.2884, 0.3577



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

73.5804, 0.3027, 0.3390

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4522, 0.2884, 0.3577 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(179, 241, 216)` looks like.

```
.text, #text, p{  
    color:rgb(179, 241, 216)  
}
```

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(179, 241, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 241, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4522, 0.2884, 0.3577 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(179, 241, 216) }
```

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

```
.border{ border-color:rgb(179, 241, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 241, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 241, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 241, 216);  
box-shadow:4px 4px 4px 4px rgb(179, 241,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4522, 0.2884, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 241, 216) }
```

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

```
.background{ background-color: rgb(179,  
241, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor