

# Converting Colors

$Yxy(77.6642, 0.2844, 0.3352)$

Have a look what the booklet for  
Yxy(77.6642, 0.2844, 0.3352)  
contains.

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# **Color**

**Yxy(77.6666, 0.2847, 0.3356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>BCEEE8</code>
RGB	188, 238, 232
RGB Percent	74%, 93%, 91%
CMY	0.2626, 0.0667, 0.0901
CMYK	0.21, 0.00, 0.03, 0.07
HSL	173°, 59%, 84%
HSV	173°, 21%, 93%
XYZ	65.8870, 77.6666, 87.8725
YIQ	222.3660, -27.8740, -12.4660

# Conversions

## Conversions Part 2

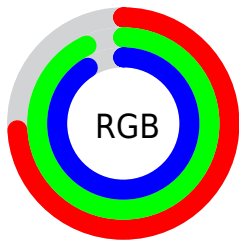
Format	Color
R <sub>Y</sub> B	188, 215, 238
Decimal	12381928
CIE Lab	90.63, -17.09, -2.37
CIE LCh	91, 17.254, 187.881
Yxy	77.6666, 0.2847, 0.3356
Android (android.graphics.Color)	4290572008 (0xFFBC <sup>EE</sup> E8)
YUV	222.3660, 4.7496, -30.1390
Hunter-Lab	88.1287, -20.7744, 2.5724

# Details

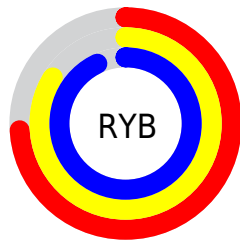
The Yxy color **77.6666, 0.2847, 0.3356** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.0548, 0.3500, 0.3226**, and the grayscale version is **73.3066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **41.6588, 0.2788, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **74.7309, 0.2728, 0.3392**, and if you desaturate by 10%, it is **81.1098, 0.2977, 0.3323**.

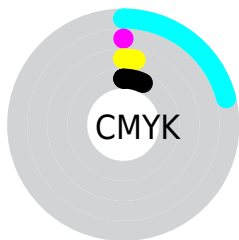
# Distribution



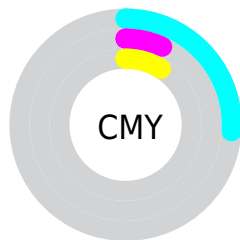
- Red (74%)
- Green (93%)
- Blue (91%)



- Red (74%)
- Yellow (84%)
- Blue (93%)



- Cyan (21%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (26%)
- Magenta (7%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6666, 0.2847, 0.3356 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 77.6666, 0.2847, 0.3356 by changing the saturation by 10% instead.





 77.6666, 0.2847,  
0.3356

 77.6666, 0.2847,  
0.3356


487.0338, 0.2975,  
0.3327

 57.8001, 0.2818,  
0.3362


 130.0800, 0.2891,  
0.3346

 41.6480, 0.2783,  
0.3370


163.3958, 0.2908,  
0.3342

 28.8258, 0.2739,  
0.3380


201.9634, 0.2923,  
0.3339

 18.9491, 0.2682,  
0.3392

246.1674, 0.2936,  
0.3336

 11.6335, 0.2605,  
0.3408

296.3920, 0.2947,  
0.3333

 6.4946, 0.2497,  
0.3430

353.0217, 0.2957,

 3.1481, 0.2332,

0.3331

416.4408, 0.2966,  
0.3329

0.3460

1.2095, 0.2037,  
0.3514

0.0695, 0.0000,  
0.2237

77.6666, 0.2847,  
0.3356

77.6666, 0.2847,  
0.3356

74.7309, 0.2728,  
0.3392

81.1098, 0.2977,  
0.3323

72.2686, 0.2621,  
0.3430


85.0736, 0.3113,  
0.3293

70.2565, 0.2531,  
0.3469

88.7313, 0.3225,  
0.3265

68.6655, 0.2458,  
0.3511

88.9025, 0.3207,  
0.3238


 67.4632, 0.2404,  
0.3552


 89.0764, 0.3189,  
0.3210

 66.6122, 0.2370,  
0.3595

 89.2530, 0.3171,  
0.3183

 66.0679, 0.2355,  
0.3636

 89.4323, 0.3154,  
0.3155

 65.7751, 0.2354,  
0.3674

 89.6142, 0.3136,  
0.3128

 89.6266, 0.3135,  
0.3127

# Harmonies

## Analogous

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



77.6666, 0.3018, 0.3531



77.6666, 0.2847, 0.3356



77.6666, 0.2751, 0.3168

# Triad

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



77.6666, 0.2847, 0.3356



77.6666, 0.3023, 0.2970



77.6666, 0.3515, 0.3546

# Complementary

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



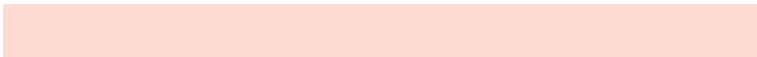
77.6666, 0.2847, 0.3356



58.0548, 0.3500, 0.3226

# 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.



77.6666, 0.3518, 0.3391



77.6666, 0.2847, 0.3356



77.6666, 0.3229, 0.3066

# Square

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



77.6666, 0.2847, 0.3356



77.6666, 0.2850, 0.2953



77.6666, 0.3412, 0.3218



77.6666, 0.3405, 0.3639

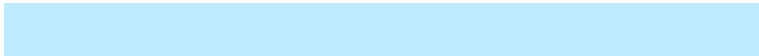


# Rectangle

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



77.6666, 0.2847, 0.3356



77.6666, 0.2741, 0.3063



77.6666, 0.3412, 0.3218



77.6666, 0.3529, 0.3499

# Sweetspot

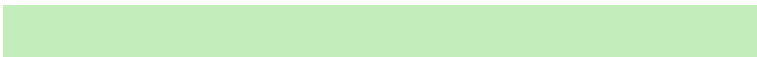
The Sweet Spot groups the original color and five complimentary colors.



77.6698, 0.2847, 0.3356



97.0954, 0.3044, 0.3308



76.3411, 0.3144, 0.3866



20.7177, 0.3035, 0.3310



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.



77.6698, 0.2847, 0.3356



89.3670, 0.2797, 0.3370



67.8864, 0.2800, 0.3081



17.8945, 0.2997, 0.3318



36.7102, 0.2352, 0.3667



3.0631, 0.2337, 0.3612



# Inverse Universe

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



58.0548, 0.3500, 0.3226



62.7488, 0.3595, 0.3212



66.1229, 0.3510, 0.3490



15.7896, 0.3274, 0.3262



10.1989, 0.6252, 0.3218

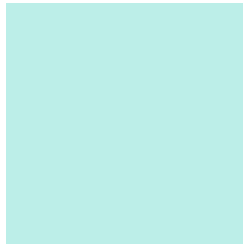


0.8584, 0.5972, 0.3063



# Previews

## White Background



This preview shows how the Yxy color 77.6666, 0.2847, 0.3356 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

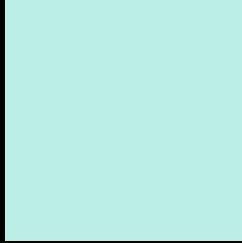
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.6666, 0.2847, 0.3356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

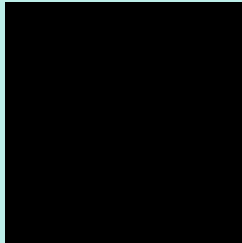
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

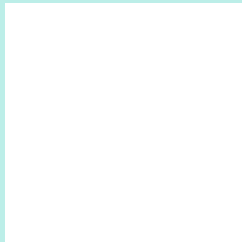
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.6666, 0.2847, 0.3356**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.6666, 0.2847, 0.3356.

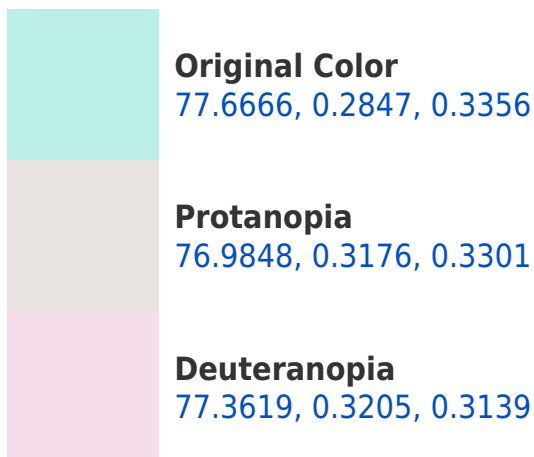


This preview shows how white text looks on a background with the Yxy color 77.6666, 0.2847, 0.3356.

# 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

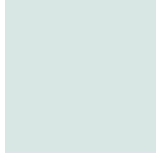
77.7150, 0.2754, 0.3094

# Trichromacy



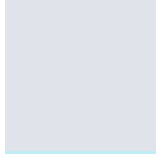
## Original Color

77.6666, 0.2847, 0.3356



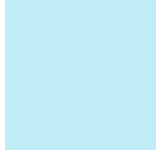
## Protanomaly

76.7940, 0.3045, 0.3311



## Deuteranomaly

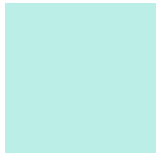
76.9439, 0.3063, 0.3206



## Tritanomaly

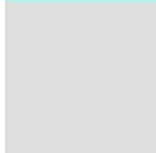
77.6598, 0.2792, 0.3190

# Monochromacy



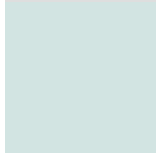
## Original Color

77.6666, 0.2847, 0.3356



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

74.6794, 0.3018, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.6666, 0.2847, 0.3356 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, 238, 232)` looks like.

```
.text, #text, p{  
    color:rgb(188, 238, 232)  
}
```

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, 238, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 238, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 77.6666, 0.2847, 0.3356 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, 238, 232) }
```

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

```
.border{ border-color:rgb(188, 238, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 238, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 238, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 238, 232);  
box-shadow:4px 4px 4px 4px rgb(188, 238,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.6666, 0.2847, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 238, 232) }
```

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

```
.background{ background-color: rgb(188,  
238, 232) }
```

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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