

# Converting Colors

Yxy(78.6542, 0.2819, 0.3277)

Have a look what the booklet for  
Yxy(78.6542, 0.2819, 0.3277)  
contains.

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# Color

**Yxy(78.3875, 0.2815, 0.3267)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEEEF0
RGB	190, 238, 240
RGB Percent	75%, 93%, 94%
CMY	0.2548, 0.0667, 0.0588
CMYK	0.21, 0.01, 0.00, 0.06
HSL	182°, 62%, 84%
HSV	182°, 21%, 94%
XYZ	67.5423, 78.3875, 94.0074
YIQ	223.8760, -29.2500, -9.5540

# Conversions

## Conversions Part 2

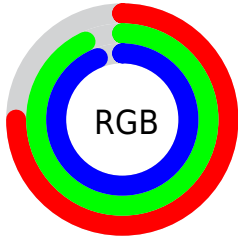
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	190, 214, 240
Decimal	12513008
CIE Lab	90.96, -14.83, -6.03
CIE LCh	91, 16.014, 202.139
Yxy	78.3875, 0.2815, 0.3267
Android (android.graphics.Color)	4290703088 (0xFFBEEEF0)
YUV	223.8760, 7.9491, -29.7093
Hunter-Lab	88.5367, -18.7663, -0.9778

# Details

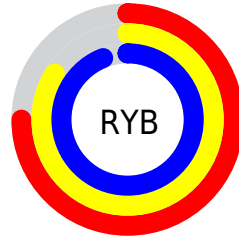
The Yxy color **78.3875, 0.2815, 0.3267** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.9558, 0.3541, 0.3313**, and the grayscale version is **74.4111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **42.1508, 0.2748, 0.3260** is the 20% darker color. If you saturate the color by 10%, you get **74.9919, 0.2680, 0.3255**, and if you desaturate by 10%, it is **82.3013, 0.2961, 0.3279**.

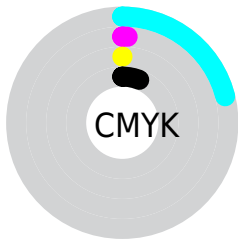
# Distribution



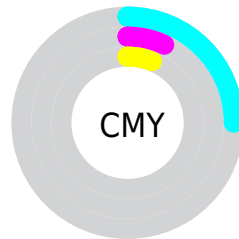
- Red (75%)
- Green (93%)
- Blue (94%)



- Red (75%)
- Yellow (84%)
- Blue (94%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)




- Cyan (25%)
- Magenta (7%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3875, 0.2815, 0.3267 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 78.3875, 0.2815, 0.3267 by changing the saturation by 10% instead.




 78.3875, 0.2815,  
0.3267

 78.3875, 0.2815,  
0.3267


489.4818, 0.2956,  
0.3279

 58.3924, 0.2783,  
0.3264


 131.0962, 0.2863,  
0.3272

 42.1242, 0.2745,  
0.3260

164.5786, 0.2882,  
0.3273

 29.1985, 0.2696,  
0.3254


203.3255, 0.2899,  
0.3275

 19.2311, 0.2634,  
0.3247

247.7213, 0.2913,  
0.3276

 11.8373, 0.2551,  
0.3236

298.1505, 0.2926,  
0.3277

 6.6330, 0.2434,  
0.3218

354.9974, 0.2937,

 3.2337, 0.2260,

0.3278

0.3187

418.6463, 0.2947,  
0.3279

■ 1.2549, 0.1969,  
0.3124

■ 0.1059, 0.0000,  
0.1646

■ 78.3875, 0.2815,  
0.3267

■ 78.3875, 0.2815,  
0.3267

■ 74.9919, 0.2680,  
0.3255

■ 82.3013, 0.2961,  
0.3279

■ 72.0801, 0.2559,  
0.3242

■ 86.7470, 0.3114,  
0.3289

■ 69.6283, 0.2455,  
0.3229

■ 90.3921, 0.3226,  
0.3299

■ 67.6068, 0.2369,  
0.3215

■ 90.9621, 0.3225,  
0.3308

65.9827, 0.2302,  
0.3201

91.5352, 0.3224,  
0.3318

64.7179, 0.2255,  
0.3188

92.1112, 0.3223,  
0.3327

63.7670, 0.2226,  
0.3175

92.6903, 0.3223,  
0.3336

63.1029, 0.2212,  
0.3163

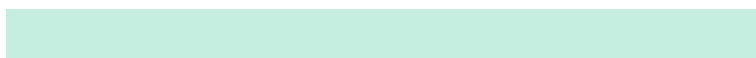
93.2723, 0.3222,  
0.3345

93.8574, 0.3221,  
0.3355

# Harmonies

## Analogous

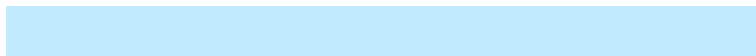
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3875, 0.2944, 0.3441



78.3875, 0.2815, 0.3267



78.3875, 0.2767, 0.3106

# Triad

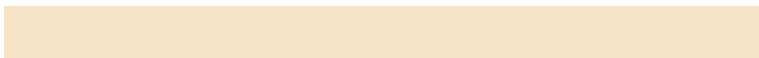
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3875, 0.2815, 0.3267



78.3875, 0.3121, 0.3027



78.3875, 0.3449, 0.3577

# Complementary

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



78.3875, 0.2815, 0.3267



59.9558, 0.3541, 0.3313

# 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.



78.3875, 0.3501, 0.3457



78.3875, 0.2815, 0.3267



78.3875, 0.3308, 0.3145

# Square

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



78.3875, 0.2815, 0.3267



78.3875, 0.2940, 0.2975



78.3875, 0.3449, 0.3300



78.3875, 0.3310, 0.3623

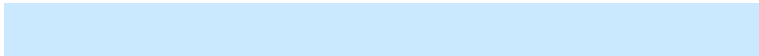


# Rectangle

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



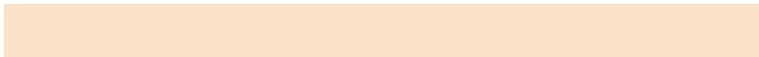
78.3875, 0.2815, 0.3267



78.3875, 0.2787, 0.3028



78.3875, 0.3449, 0.3300



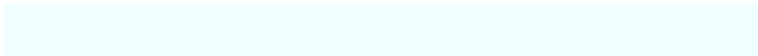
78.3875, 0.3477, 0.3544

# Sweetspot

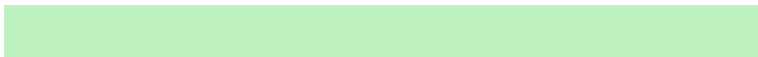
The Sweet Spot groups the original color and five complimentary colors.



78.3907, 0.2815, 0.3267



96.8226, 0.3034, 0.3284



77.0632, 0.3090, 0.3848



20.6529, 0.3024, 0.3283



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.



78.3907, 0.2815, 0.3267



88.2311, 0.2756, 0.3262



65.0057, 0.2796, 0.2987



17.8140, 0.2981, 0.3280



34.5924, 0.2212, 0.3165



2.9113, 0.2217, 0.3182



# Inverse Universe

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



61.5371, 0.3166, 0.2792



65.6874, 0.3175, 0.2689



71.7049, 0.3489, 0.3575



16.0198, 0.3144, 0.3067



13.2855, 0.3312, 0.1598

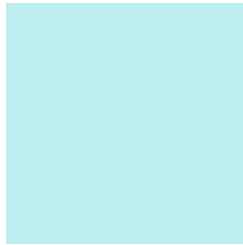


1.1086, 0.3297, 0.1590



# Previews

## White Background



This preview shows how the Yxy color 78.3875, 0.2815, 0.3267 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

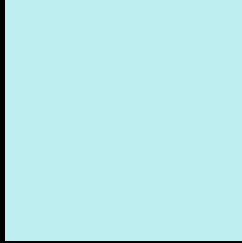
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3875, 0.2815, 0.3267 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

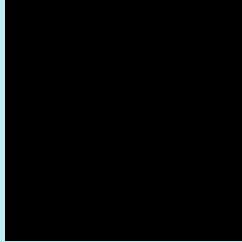
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.3875, 0.2815, 0.3267**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.3875, 0.2815, 0.3267.

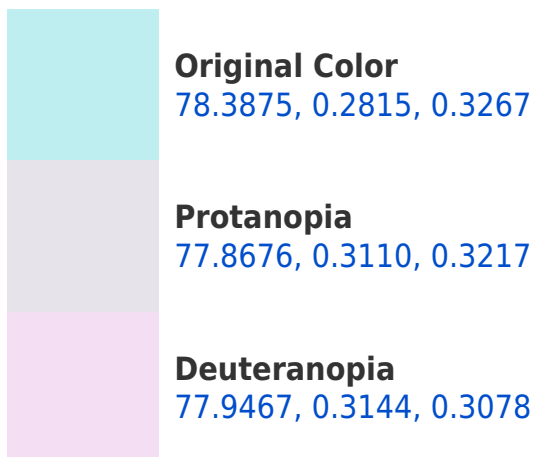


This preview shows how white text looks on a background with the Yxy color 78.3875, 0.2815, 0.3267.

# 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

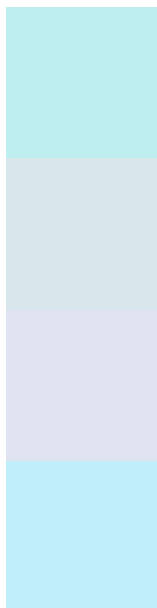




## Tritanopia

78.5484, 0.2750, 0.3084

# Trichromacy



## Original Color

78.3875, 0.2815, 0.3267

## Protanomaly

77.8069, 0.2996, 0.3236

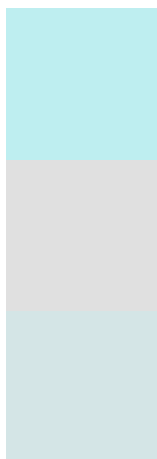
## Deuteranomaly

77.7449, 0.3012, 0.3143

## Tritanomaly

78.6770, 0.2772, 0.3148

# Monochromacy



## Original Color

78.3875, 0.2815, 0.3267

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

75.7488, 0.3006, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3875, 0.2815, 0.3267 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(190, 238, 240)` looks like.

```
.text, #text, p{  
    color:rgb(190, 238, 240)  
}
```

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(190, 238, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 238, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3875, 0.2815, 0.3267 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(190, 238, 240) }
```

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

```
.border{ border-color:rgb(190, 238, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 238, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 238, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 238, 240);  
box-shadow:4px 4px 4px 4px rgb(190, 238,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3875, 0.2815, 0.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 238, 240) }
```

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

```
.background{ background-color: rgb(190,  
238, 240) }
```

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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