

# Converting Colors

$Yxy(77.9441, 0.2846, 0.3336)$

Have a look what the booklet for  
Yxy(77.9441, 0.2846, 0.3336)  
contains.

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# Color

**Yxy(78.0367, 0.2848, 0.3334)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEEEEA
RGB	190, 238, 234
RGB Percent	75%, 93%, 92%
CMY	0.2548, 0.0667, 0.0825
CMYK	0.20, 0.00, 0.02, 0.07
HSL	175°, 59%, 84%
HSV	175°, 20%, 93%
XYZ	66.6612, 78.0367, 89.3654
YIQ	223.1920, -27.3240, -11.4200

# Conversions

## Conversions Part 2

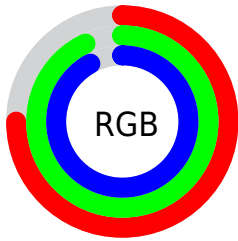
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	190, 215, 238
Decimal	12513002
CIE Lab	90.80, -16.09, -3.12
CIE LCh	91, 16.393, 190.981
Yxy	78.0367, 0.2848, 0.3334
Android (android.graphics.Color)	4290703082 (0xFFBEEEEA)
YUV	223.1920, 5.3283, -29.1094
Hunter-Lab	88.3384, -19.8939, 1.8576

# Details

The Yxy color **78.0367, 0.2848, 0.3334** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.9131, 0.3496, 0.3247**, and the grayscale version is **73.9149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **41.9045, 0.2789, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **75.1064, 0.2724, 0.3359**, and if you desaturate by 10%, it is **81.4751, 0.2983, 0.3311**.

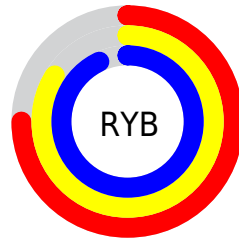
# Distribution



Red (75%)

Green (93%)

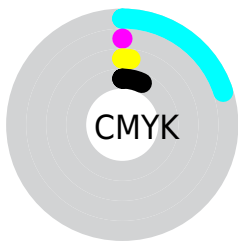
Blue (92%)



Red (75%)

Yellow (84%)

Blue (93%)

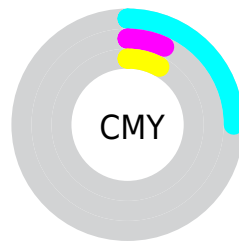


Cyan (20%)

Magenta (0%)

Yellow (2%)

Black (7%)



Cyan (25%)

Magenta (7%)


Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0367, 0.2848, 0.3334 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 78.0367, 0.2848, 0.3334 by changing the saturation by 10% instead.





 78.0367, 0.2848,  
0.3334

 78.0367, 0.2848,  
0.3334

488.2915, 0.2975,  
0.3315

 58.1041, 0.2820,  
0.3338

 130.6019, 0.2892,  
0.3328

 41.8924, 0.2785,  
0.3343

164.0032, 0.2909,  
0.3325

 29.0170, 0.2741,  
0.3349


202.6630, 0.2923,  
0.3323

 19.0937, 0.2684,  
0.3356

246.9655, 0.2936,  
0.3321

 11.7380, 0.2608,  
0.3365

297.2953, 0.2948,  
0.3319

 6.5655, 0.2501,  
0.3377

354.0366, 0.2958,

 3.1919, 0.2340,

0.3318

417.5738, 0.2967,  
0.3316

0.3393

1.2327, 0.2059,  
0.3416

0.0882, 0.0000,  
0.2191

78.0367, 0.2848,  
0.3334

78.0367, 0.2848,  
0.3334

75.1064, 0.2724,  
0.3359

81.4751, 0.2983,  
0.3311

72.6504, 0.2613,  
0.3385


85.4347, 0.3125,  
0.3290

70.6456, 0.2518,  
0.3412


88.7006, 0.3228,  
0.3271

69.0632, 0.2441,  
0.3441


88.8202, 0.3216,  
0.3252


 67.8709, 0.2383,  
0.3469


 88.9412, 0.3203,  
0.3232


 67.0321, 0.2345,  
0.3498


 89.0635, 0.3191,  
0.3213

 66.5030, 0.2326,  
0.3527

 89.1871, 0.3178,  
0.3194

 66.2120, 0.2321,  
0.3555

 89.3120, 0.3166,  
0.3174

 89.4382, 0.3153,  
0.3155

# Harmonies

## Analogous

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



78.0367, 0.3005, 0.3503



78.0367, 0.2848, 0.3334



78.0367, 0.2766, 0.3158

# Triad

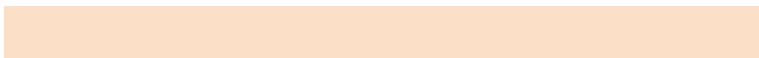
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0367, 0.2848, 0.3334



78.0367, 0.3048, 0.2992



78.0367, 0.3489, 0.3546

# Complementary

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



78.0367, 0.2848, 0.3334



58.9131, 0.3496, 0.3247

# 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.



78.0367, 0.3503, 0.3403



78.0367, 0.2848, 0.3334



78.0367, 0.3244, 0.3090

# Square

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



78.0367, 0.2848, 0.3334



78.0367, 0.2878, 0.2967



78.0367, 0.3412, 0.3238



78.0367, 0.3376, 0.3625

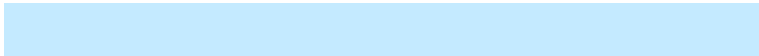


# Rectangle

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



78.0367, 0.2848, 0.3334



78.0367, 0.2762, 0.3062



78.0367, 0.3412, 0.3238



78.0367, 0.3505, 0.3503

# Sweetspot

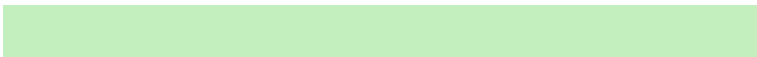
The Sweet Spot groups the original color and five complimentary colors.



78.0399, 0.2848, 0.3334



97.1302, 0.3041, 0.3302



76.4482, 0.3133, 0.3842



20.7259, 0.3031, 0.3304



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.



78.0399, 0.2848, 0.3334



89.8557, 0.2798, 0.3344



67.6885, 0.2812, 0.3072



17.9047, 0.2992, 0.3310



36.9480, 0.2320, 0.3550



3.0804, 0.2309, 0.3513



# Inverse Universe

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



58.9131, 0.3496, 0.3247



63.8757, 0.3589, 0.3238



67.6035, 0.3488, 0.3498



15.7804, 0.3280, 0.3270



10.1768, 0.6308, 0.3248

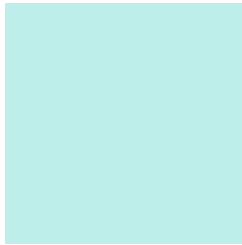


0.8540, 0.6091, 0.3129



# Previews

## White Background



This preview shows how the Yxy color 78.0367, 0.2848, 0.3334 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

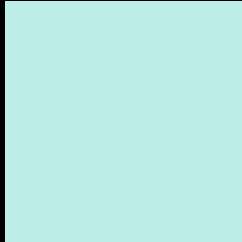
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0367, 0.2848, 0.3334 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

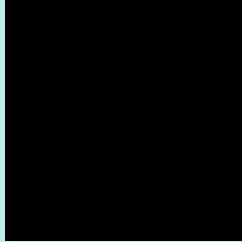
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

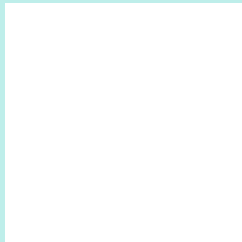
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.0367, 0.2848, 0.3334**

## Background



This preview shows how black text looks on a background with the Yxy color 78.0367, 0.2848, 0.3334.

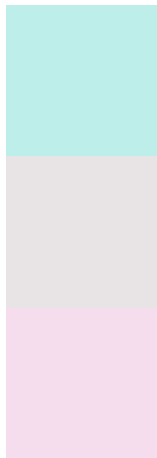


This preview shows how white text looks on a background with the Yxy color 78.0367, 0.2848, 0.3334.

# 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



### Original Color

78.0367, 0.2848, 0.3334

### Protanopia

77.6954, 0.3155, 0.3280

### Deuteranopia

77.4202, 0.3198, 0.3129



## Tritanopia

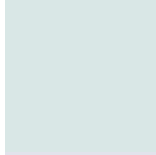
78.0418, 0.2760, 0.3084

# Trichromacy



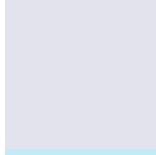
## Original Color

78.0367, 0.2848, 0.3334



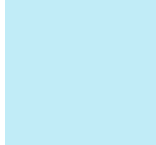
## Protanomaly

77.6167, 0.3039, 0.3300



## Deuteranomaly

77.1630, 0.3063, 0.3195



## Tritanomaly

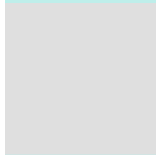
78.0438, 0.2793, 0.3169

# Monochromacy



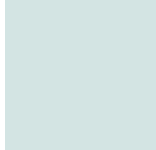
## Original Color

78.0367, 0.2848, 0.3334



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

74.8817, 0.3018, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0367, 0.2848, 0.3334 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(190, 238, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 238, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0367, 0.2848, 0.3334 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, 234) }
```

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

```
.border{ border-color:rgb(190, 238, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 238, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 238, 234);  
box-shadow:4px 4px 4px 4px rgb(190, 238,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0367, 0.2848, 0.3334 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, 234) }
```

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

```
.background{ background-color: rgb(190,  
238, 234) }
```

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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