

# Converting Colors

$Yxy(70.2833, 0.3066, 0.3487)$

Have a look what the booklet for  
Yxy(70.2833, 0.3066, 0.3487)  
contains.

<b>Yxy(70.0957, 0.3069, 0.3485)</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(70.0957, 0.3069, 0.3485)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8E0CF
RGB	200, 224, 207
RGB Percent	78%, 88%, 81%
CMY	0.2159, 0.1215, 0.1882
CMYK	0.11, 0.00, 0.08, 0.12
HSL	138°, 28%, 83%
HSV	138°, 11%, 88%
XYZ	61.7285, 70.0957, 69.3113
YIQ	214.8860, -8.8470, -10.3750

# Conversions

## Conversions Part 2

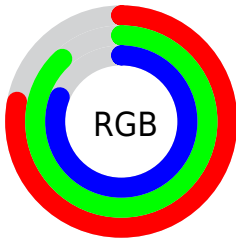
Format	Color
R <sub>Y</sub> B	200, 219, 224
Decimal	13164751
CIE Lab	87.04, -11.16, 5.62
CIE LCh	87, 12.490, 153.281
Yxy	70.0957, 0.3069, 0.3485
Android (android.graphics.Color)	4291354831 (0xFFC8E0CF)
YUV	214.8860, -3.8878, -13.0550
Hunter-Lab	83.7232, -14.9089, 9.5223

# Details

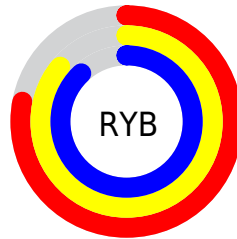
The Yxy color **70.0957, 0.3069, 0.3485** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.1446, 0.3191, 0.3103**, and the grayscale version is **67.9021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7868, 0.3053, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **66.5016, 0.3016, 0.3690**, and if you desaturate by 10%, it is **74.2253, 0.3123, 0.3303**.

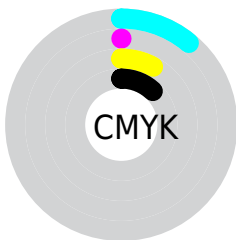
# Distribution



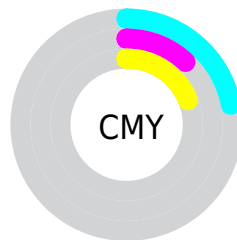
- Red (78%)
- Green (88%)
- Blue (81%)



- Red (78%)
- Yellow (86%)
- Blue (88%)



- Cyan (11%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)



- Cyan (22%)
- Magenta (12%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0957, 0.3069, 0.3485 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 70.0957, 0.3069, 0.3485 by changing the saturation by 10% instead.



70.0957, 0.3069,  
0.3485

70.0957, 0.3069,  
0.3485

460.8860, 0.3097,  
0.3393

51.6046, 0.3062,  
0.3507

119.3452, 0.3079,  
0.3453

36.6900, 0.3054,  
0.3534

150.8724, 0.3083,  
0.3440

24.9675, 0.3044,  
0.3568

187.5137, 0.3086,  
0.3429

16.0529, 0.3029,  
0.3614

229.6535, 0.3089,  
0.3420

9.5616, 0.3009,  
0.3679

277.6763, 0.3091,  
0.3412

5.1093, 0.2979,  
0.3775

331.9663, 0.3093,

2.3115, 0.2928,

0.3405

392.9081, 0.3095,  
0.3399

0.3934

0.7798, 0.2750,  
0.4573

0.0000, 0.0000,  
0.0000

70.0957, 0.3069,  
0.3485

70.0957, 0.3069,  
0.3485

66.5016, 0.3016,  
0.3690

74.2253, 0.3123,  
0.3303

63.4122, 0.2965,  
0.3918

78.9021, 0.3177,  
0.3142

60.8072, 0.2919,  
0.4167

81.7691, 0.3144,  
0.2994

58.6612, 0.2882,  
0.4432

81.8005, 0.3141,  
0.2990

■ 56.9466, 0.2856,  
0.4705

■ 55.6327, 0.2844,  
0.4975

■ 54.6846, 0.2848,  
0.5230

■ 54.0611, 0.2869,  
0.5457

■ 53.7099, 0.2898,  
0.5632

# Harmonies

## Analogous

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



70.0957, 0.3222, 0.3552



70.0957, 0.3069, 0.3485



70.0957, 0.2934, 0.3362

# Triad

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



70.0957, 0.3069, 0.3485



70.0957, 0.2903, 0.3040



70.0957, 0.3412, 0.3348

# Complementary

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



70.0957, 0.3069, 0.3485



62.1446, 0.3191, 0.3103

# 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.



70.0957, 0.3322, 0.3217



70.0957, 0.3069, 0.3485



70.0957, 0.3027, 0.3042

# Square

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



70.0957, 0.3069, 0.3485



70.0957, 0.2839, 0.3104



70.0957, 0.3181, 0.3106



70.0957, 0.3423, 0.3468



# Rectangle

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



70.0957, 0.3069, 0.3485



70.0957, 0.2871, 0.3267



70.0957, 0.3181, 0.3106



70.0957, 0.3390, 0.3304

# Sweetspot

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



70.0987, 0.3069, 0.3485



98.2344, 0.3111, 0.3342



72.2706, 0.3237, 0.3558



20.9276, 0.3106, 0.3357



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

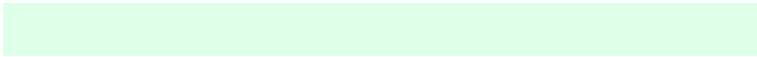


# Same Dimension

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



70.0987, 0.3069, 0.3485



92.8276, 0.3056, 0.3531



70.6975, 0.2995, 0.3349



15.4030, 0.3076, 0.3460



31.2752, 0.2891, 0.5606



2.1832, 0.2804, 0.5296



# Inverse Universe

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



62.1446, 0.3191, 0.3103



80.0327, 0.3206, 0.3060



61.5526, 0.3278, 0.3232



13.8636, 0.3182, 0.3126



10.6890, 0.4116, 0.2041



0.7563, 0.3944, 0.1946



# Previews

## White Background



This preview shows how the Yxy color 70.0957, 0.3069, 0.3485 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 70.0957, 0.3069, 0.3485 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

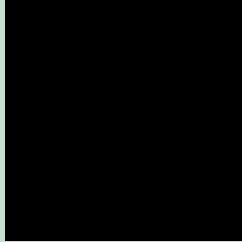
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

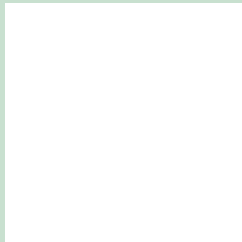
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.0957, 0.3069, 0.3485**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0957, 0.3069, 0.3485.

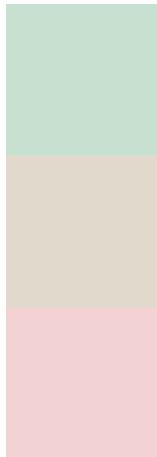


This preview shows how white text looks on a background with the Yxy color 70.0957, 0.3069, 0.3485.

# 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

70.0957, 0.3069, 0.3485

### Protanopia

69.9451, 0.3282, 0.3444

### Deuteranopia

69.6236, 0.3370, 0.3291



## Tritanopia

70.2800, 0.2916, 0.3102

# Trichromacy



## Original Color

70.0957, 0.3069, 0.3485

## Protanomaly

70.1450, 0.3205, 0.3469

## Deuteranomaly

69.5352, 0.3257, 0.3356

## Tritanomaly

69.9004, 0.2970, 0.3234

# Monochromacy



## Original Color

70.0957, 0.3069, 0.3485

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.5979, 0.3110, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0957, 0.3069, 0.3485 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(200, 224, 207)` looks like.

```
.text, #text, p{  
    color:rgb(200, 224, 207)  
}
```

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(200, 224, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 224, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0957, 0.3069, 0.3485 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(200, 224, 207) }
```

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

```
.border{ border-color:rgb(200, 224, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 224, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(200, 224, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(200, 224, 207); box-shadow:4px 4px 4px 4px rgb(200, 224, 207) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 70.0957, 0.3069, 0.3485$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 224, 207) }
```

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

```
.background{ background-color: rgb(200,  
224, 207) }
```

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