

# Converting Colors

$Yxy(66.0021, 0.2987, 0.3314)$

Have a look what the booklet for  
Yxy(66.0021, 0.2987, 0.3314)  
contains.

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# Color

**Yxy(66.1341, 0.2985, 0.3313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3D9D7
RGB	195, 217, 215
RGB Percent	76%, 85%, 84%
CMY	0.2352, 0.1490, 0.1569
CMYK	0.10, 0.00, 0.01, 0.15
HSL	174°, 22%, 81%
HSV	174°, 10%, 85%
XYZ	59.5866, 66.1341, 73.8993
YIQ	210.1940, -12.4700, -5.2860

# Conversions

## Conversions Part 2

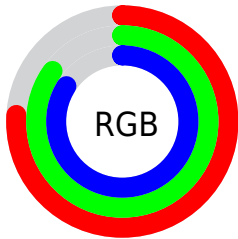
Format	Color
R <sub>Y</sub> B	195, 207, 217
Decimal	12835287
CIE Lab	85.06, -7.69, -1.51
CIE LCh	85, 7.841, 191.117
Yxy	66.1341, 0.2985, 0.3313
Android (android.graphics.Color)	4291025367 (0xFFC3D9D7)
YUV	210.1940, 2.3694, -13.3251
Hunter-Lab	81.3229, -11.5252, 3.0483

# Details

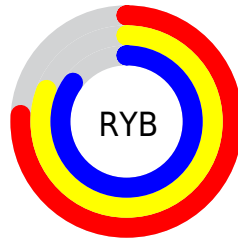
The Yxy color **66.1341, 0.2985, 0.3313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.8271, 0.3289, 0.3267**, and the grayscale version is **64.5764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **34.0414, 0.2950, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **63.3507, 0.2852, 0.3338**, and if you desaturate by 10%, it is **69.3444, 0.3125, 0.3290**.

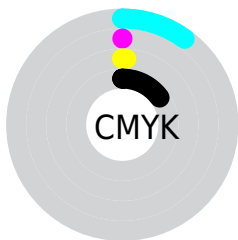
# Distribution



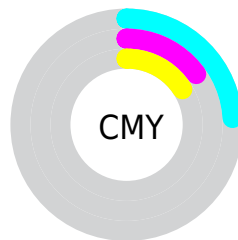
- Red (76%)
- Green (85%)
- Blue (84%)



- Red (76%)
- Yellow (81%)
- Blue (85%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)



- Cyan (24%)
- Magenta (15%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1341, 0.2985, 0.3313 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 66.1341, 0.2985, 0.3313 by changing the saturation by 10% instead.



66.1341, 0.2985,  
0.3313

66.1341, 0.2985,  
0.3313

446.8563, 0.3052,  
0.3303

48.3813, 0.2969,  
0.3315

113.6788, 0.3008,  
0.3309

34.1289, 0.2950,  
0.3318

144.2394, 0.3017,  
0.3308

22.9927, 0.2925,  
0.3322

179.8381, 0.3025,  
0.3307

14.5881, 0.2893,  
0.3327

220.8593, 0.3032,  
0.3306

8.5308, 0.2847,  
0.3333

267.6873, 0.3038,  
0.3305

4.4364, 0.2780,  
0.3342

320.7065, 0.3043,

1.9206, 0.2671,

0.3304

380.3014, 0.3048,  
0.3303

0.3356

0.5607, 0.2128,  
0.3457

0.0000, 0.0000,  
0.0000

66.1341, 0.2985,  
0.3313

66.1341, 0.2985,  
0.3313

63.3507, 0.2852,  
0.3338

69.3444, 0.3125,  
0.3290

60.9679, 0.2729,  
0.3365


72.9901, 0.3270,  
0.3270


58.9690, 0.2619,  
0.3393


76.1049, 0.3379,  
0.3251


57.3330, 0.2525,  
0.3423


76.2120, 0.3365,  
0.3231

 56.0372, 0.2448,  
0.3454


 76.3203, 0.3350,  
0.3211


 55.0557, 0.2391,  
0.3486


 76.4299, 0.3336,  
0.3191

 54.3596, 0.2352,  
0.3517

 76.5408, 0.3322,  
0.3171

 53.9140, 0.2333,  
0.3549

 76.6529, 0.3308,  
0.3151

 53.6589, 0.2328,  
0.3579

 76.7664, 0.3294,  
0.3132

# Harmonies

## Analogous

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



66.1341, 0.3066, 0.3396



66.1341, 0.2985, 0.3313



66.1341, 0.2942, 0.3225

# Triad

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



66.1341, 0.2985, 0.3313



66.1341, 0.3089, 0.3137



66.1341, 0.3309, 0.3421

# Complementary

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



66.1341, 0.2985, 0.3313



57.8271, 0.3289, 0.3267

# 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.



66.1341, 0.3316, 0.3350



66.1341, 0.2985, 0.3313



66.1341, 0.3187, 0.3188

# Square

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



66.1341, 0.2985, 0.3313



66.1341, 0.3001, 0.3125



66.1341, 0.3271, 0.3265



66.1341, 0.3253, 0.3458



# Rectangle

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



66.1341, 0.2985, 0.3313



66.1341, 0.2941, 0.3176



66.1341, 0.3271, 0.3265



66.1341, 0.3317, 0.3401

# Sweetspot

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



66.1369, 0.2985, 0.3313



98.5326, 0.3084, 0.3297



65.4679, 0.3131, 0.3549



21.0082, 0.3073, 0.3298



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.



66.1369, 0.2985, 0.3313



94.4713, 0.2958, 0.3318



61.8300, 0.2971, 0.3187



14.8078, 0.2994, 0.3311



32.4903, 0.2326, 0.3575



2.1110, 0.2312, 0.3524



# Inverse Universe

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



57.8271, 0.3289, 0.3267



80.3445, 0.3326, 0.3263



61.7914, 0.3294, 0.3391



13.0709, 0.3277, 0.3269



8.9672, 0.6291, 0.3239

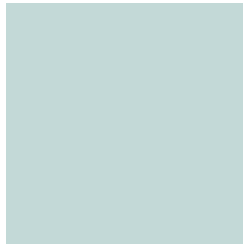


0.5878, 0.6004, 0.3081



# Previews

## White Background



This preview shows how the Yxy color 66.1341, 0.2985, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

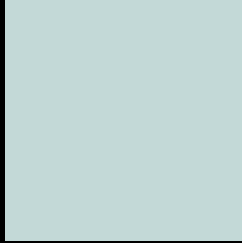
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.1341, 0.2985, 0.3313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

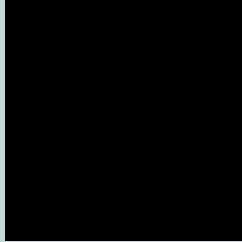
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

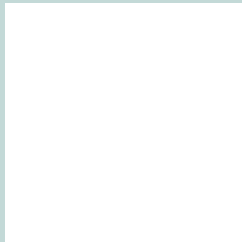
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.1341, 0.2985, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.1341, 0.2985, 0.3313.

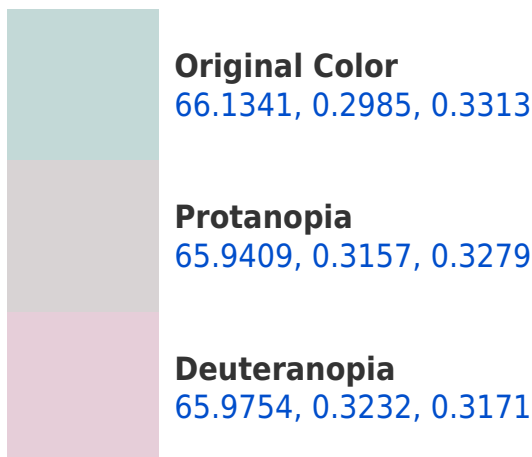


This preview shows how white text looks on a background with the Yxy color 66.1341, 0.2985, 0.3313.

# 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

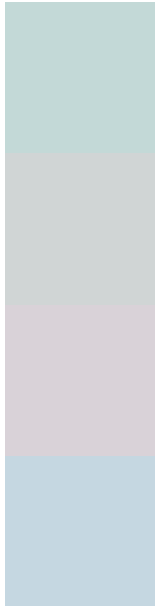




## Tritanopia

65.8684, 0.2904, 0.3097

# Trichromacy



## Original Color

66.1341, 0.2985, 0.3313

## Protanomaly

65.8025, 0.3091, 0.3290

## Deuteranomaly

65.8028, 0.3138, 0.3223

## Tritanomaly

65.9074, 0.2935, 0.3175

# Monochromacy



## Original Color

66.1341, 0.2985, 0.3313

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.3211, 0.3076, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.1341, 0.2985, 0.3313 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(195, 217, 215)` looks like.

```
.text, #text, p{  
    color:rgb(195, 217, 215)  
}
```

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(195, 217, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 217, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 66.1341, 0.2985, 0.3313 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(195, 217, 215) }
```

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

```
.border{ border-color:rgb(195, 217, 215) }
```

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

Here you see how a box with a 4 pixel rgb(195, 217, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 217, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 217, 215);  
box-shadow:4px 4px 4px 4px rgb(195, 217,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.1341, 0.2985, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 217, 215) }
```

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

```
.background{ background-color: rgb(195,  
217, 215) }
```

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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