

# Converting Colors

$Yxy(66.7032, 0.3036, 0.3433)$

Have a look what the booklet for  
Yxy(66.7032, 0.3036, 0.3433)  
contains.

|   |    |
|---|----|
| <b>Yxy(66.7701, 0.3036, 0.3430)</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(66.7701, 0.3036, 0.3430)**

# Conversions

## Conversions Part 1

| Format      | Color                                       |
|-------------|---|
| Hex         | C3DBC <span style="color: #C3DBC;">F</span> |
| RGB         | 195, 219, 207                               |
| RGB Percent | 76%, 86%, 81%                               |
| CMY         | 0.2352, 0.1412, 0.1883                      |
| CMYK        | 0.11, 0.00, 0.05, 0.14                      |
| HSL         | 150°, 25%, 81%                              |
| HSV         | 150°, 11%, 86%                              |
| XYZ         | 59.1003, 66.7701, 68.7946                   |
| YIQ         | 210.4560, -10.4520, -8.8200                 |

# Conversions

## Conversions Part 2

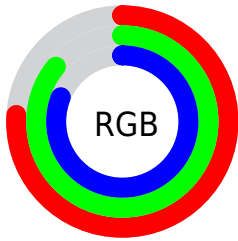
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 195, 211, 219                  |
| Decimal                             | 12835791                       |
| CIELab                              | 85.39, -10.25, 3.19            |
| CIELCh                              | 85, 10.737, 162.722            |
| Yxy                                 | 66.7701, 0.3036,<br>0.3430     |
| Android<br>(android.graphics.Color) | 4291025871<br>(0xFFC3DBCf)     |
| YUV                                 | 210.4560, -1.7038,<br>-13.5549 |
| Hunter-Lab                          | 81.7130, -13.8945,<br>7.2825   |

# Details

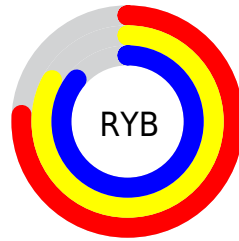
The Yxy color **66.7701, 0.3036, 0.3430** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.6030, 0.3229, 0.3154**, and the grayscale version is **64.7829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **34.5135, 0.3009, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **63.5481, 0.2955, 0.3573**, and if you desaturate by 10%, it is **70.4629, 0.3119, 0.3302**.

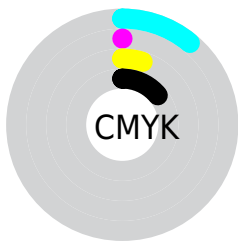
# Distribution



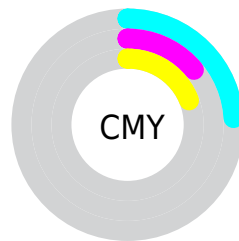
- Red (76%)
- Green (86%)
- Blue (81%)



- Red (76%)
- Yellow (83%)
- Blue (86%)



- Cyan (11%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)



- Cyan (24%)
- Magenta (14%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7701, 0.3036, 0.3430 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 66.7701, 0.3036, 0.3430 by changing the saturation by 10% instead.



66.7701, 0.3036,  
0.3430

66.7701, 0.3036,  
0.3430

449.1260, 0.3079,  
0.3364

48.8978, 0.3026,  
0.3446

114.5909, 0.3051,  
0.3407

34.5384, 0.3013,  
0.3465

145.3083, 0.3057,  
0.3398

23.3075, 0.2997,  
0.3490

181.0761, 0.3062,  
0.3390

14.8208, 0.2975,  
0.3524

222.2787, 0.3066,  
0.3383

8.6937, 0.2945,  
0.3572

269.3007, 0.3070,  
0.3377

4.5419, 0.2899,  
0.3643

322.5263, 0.3074,

1.9811, 0.2823,

0.3372

0.3762

382.3399, 0.3077,  
0.3368

0.5965, 0.2364,  
0.4453

0.0000, 0.0000,  
0.0000

66.7701, 0.3036,  
0.3430

66.7701, 0.3036,  
0.3430

63.5481, 0.2955,  
0.3573

70.4629, 0.3119,  
0.3302

60.7691, 0.2880,  
0.3732

74.6361, 0.3203,  
0.3187

58.4153, 0.2812,  
0.3904

78.2099, 0.3245,  
0.3084

56.4643, 0.2756,  
0.4088

78.8814, 0.3171,  
0.2979

■ 54.8916, 0.2714,  
0.4281

■ 79.1448, 0.3144,  
0.2940

■ 53.6698, 0.2690,  
0.4479

■ 52.7679, 0.2686,  
0.4675

■ 52.1489, 0.2702,  
0.4866

■ 51.7755, 0.2730,  
0.5029

# Harmonies

## Analogous

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



66.7701, 0.3169, 0.3507



66.7701, 0.3036, 0.3430



66.7701, 0.2929, 0.3314

# Triad

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



66.7701, 0.3036, 0.3430



66.7701, 0.2961, 0.3065



66.7701, 0.3387, 0.3377

# Complementary

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



66.7701, 0.3036, 0.3430



58.6030, 0.3229, 0.3154

# 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.



66.7701, 0.3329, 0.3262



66.7701, 0.3036, 0.3430



66.7701, 0.3081, 0.3085

# Square

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



66.7701, 0.3036, 0.3430



66.7701, 0.2886, 0.3104



66.7701, 0.3216, 0.3156



66.7701, 0.3373, 0.3473



# Rectangle

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



66.7701, 0.3036, 0.3430



66.7701, 0.2886, 0.3232



66.7701, 0.3216, 0.3156



66.7701, 0.3375, 0.3339

# Sweetspot

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



66.7729, 0.3036, 0.3430



98.3335, 0.3102, 0.3327



67.9297, 0.3204, 0.3566



20.9543, 0.3095, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

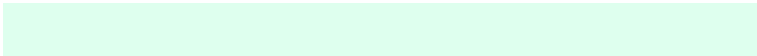


# Same Dimension

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



66.7729, 0.3036, 0.3430



93.2222, 0.3018, 0.3460



67.3622, 0.2962, 0.3294



14.7141, 0.3049, 0.3410



30.7214, 0.2723, 0.5003



2.0077, 0.2640, 0.4704



# Inverse Universe

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



58.6030, 0.3229, 0.3154



79.6227, 0.3252, 0.3126



58.0553, 0.3318, 0.3286



13.1598, 0.3214, 0.3173



9.6157, 0.4946, 0.2498

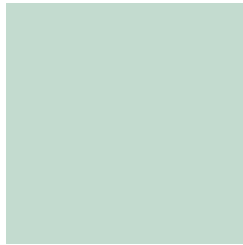


0.6404, 0.4587, 0.2300



# Previews

## White Background



This preview shows how the Yxy color 66.7701, 0.3036, 0.3430 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 66.7701, 0.3036, 0.3430 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

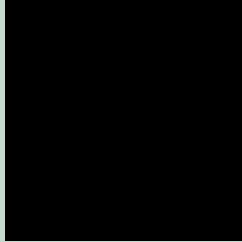
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

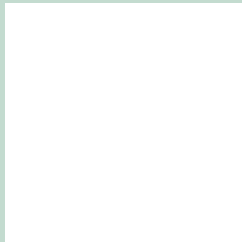
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.7701, 0.3036, 0.3430**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7701, 0.3036, 0.3430.



This preview shows how white text looks on a background with the Yxy color 66.7701, 0.3036, 0.3430.

# 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

66.5692, 0.2905, 0.3098

# Trichromacy



## Original Color

66.7701, 0.3036, 0.3430

## Protanomaly

66.6621, 0.3165, 0.3415

## Deuteranomaly

66.4076, 0.3208, 0.3313

## Tritanomaly

66.4452, 0.2954, 0.3210

# Monochromacy



## Original Color

66.7701, 0.3036, 0.3430

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.1711, 0.3096, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7701, 0.3036, 0.3430 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, 219, 207)` looks like.

```
.text, #text, p{  
    color:rgb(195, 219, 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(195, 219, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 219, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7701, 0.3036, 0.3430 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, 219, 207) }
```

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

```
.border{ border-color:rgb(195, 219, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 219, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 219, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 219, 207);  
box-shadow:4px 4px 4px 4px rgb(195, 219,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7701, 0.3036, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 219, 207) }
```

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

```
.background{ background-color: rgb(195,  
219, 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