

# Converting Colors

$Yxy(65.3311, 0.3002, 0.3401)$

Have a look what the booklet for  
Yxy(65.3311, 0.3002, 0.3401)  
contains.

<b>Yxy(65.2561, 0.3002, 0.3396)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(65.2561, 0.3002, 0.3396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFD9D0
RGB	191, 217, 208
RGB Percent	75%, 85%, 82%
CMY	0.2509, 0.1490, 0.1844
CMYK	0.12, 0.00, 0.04, 0.15
HSL	159°, 25%, 80%
HSV	159°, 12%, 85%
XYZ	57.6852, 65.2561, 69.2145
YIQ	208.2000, -12.6070, -8.3110

# Conversions

## Conversions Part 2

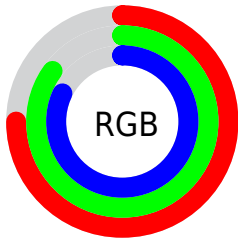
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 207, 217
Decimal	12573136
CIELab	84.62, -10.36, 1.51
CIELCh	85, 10.467, 171.710
Yxy	65.2561, 0.3002, 0.3396
Android (android.graphics.Color)	4290763216 (0xFFBFD9D0)
YUV	208.2000, -0.0986, -15.0844
Hunter-Lab	80.7812, -13.9019, 5.7464

# Details

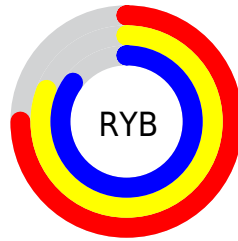
The Yxy color  $65.2561, 0.3002, 0.3396$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $56.1951, 0.3271, 0.3186$ , and the grayscale version is  $63.2225, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.5142, 0.3078, 0.3290$ , and  $33.4921, 0.2964, 0.3415$  is the 20% darker color. If you saturate the color by 10%, you get  $62.2881, 0.2902, 0.3495$ , and if you desaturate by 10%, it is  $68.6641, 0.3106, 0.3307$ .

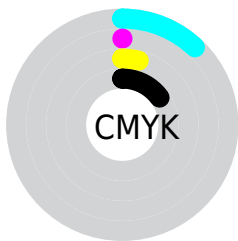
# Distribution



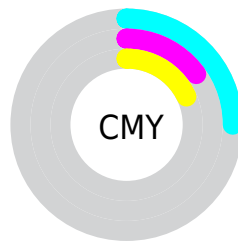
- Red (75%)
- Green (85%)
- Blue (82%)



- Red (75%)
- Yellow (81%)
- Blue (85%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (15%)




- Cyan (25%)
- Magenta (15%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2561, 0.3002, 0.3396 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 65.2561, 0.3002, 0.3396 by changing the saturation by 10% instead.




 65.2561, 0.3002,  
0.3396

 65.2561, 0.3002,  
0.3396


443.7117, 0.3061,  
0.3346

 47.6688, 0.2988,  
0.3408


 112.4180, 0.3023,  
0.3378

 33.5647, 0.2971,  
0.3423


142.7613, 0.3031,  
0.3371

 22.5594, 0.2949,  
0.3442


178.1254, 0.3038,  
0.3366

 14.2685, 0.2919,  
0.3467

218.8947, 0.3044,  
0.3361

 8.3076, 0.2877,  
0.3503

265.4536, 0.3049,  
0.3356

 4.2924, 0.2815,  
0.3557

318.1865, 0.3054,

 1.8384, 0.2713,

0.3352

0.3647

377.4777, 0.3058,  
0.3349

0.5110, 0.1949,  
0.4277

0.0000, 0.0000,  
0.0000

65.2561, 0.3002,  
0.3396

65.2561, 0.3002,  
0.3396

62.2881, 0.2902,  
0.3495

68.6641, 0.3106,  
0.3307

59.7333, 0.2809,  
0.3603


72.5212, 0.3213,  
0.3226


57.5746, 0.2727,  
0.3720


76.6331, 0.3311,  
0.3155


55.7905, 0.2658,  
0.3844


77.0673, 0.3258,  
0.3081

 54.3573, 0.2605,  
0.3974

 77.5200, 0.3207,  
0.3008


 53.2487, 0.2570,  
0.4108

 77.9915, 0.3156,  
0.2937

 52.4342, 0.2556,  
0.4243

 78.1068, 0.3145,  
0.2920

 51.8778, 0.2562,  
0.4376

 51.5686, 0.2578,  
0.4481

# Harmonies

## Analogous

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



65.2561, 0.3129, 0.3486



65.2561, 0.3002, 0.3396



65.2561, 0.2910, 0.3277

# Triad

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



65.2561, 0.3002, 0.3396



65.2561, 0.2996, 0.3069



65.2561, 0.3386, 0.3407

# Complementary

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



65.2561, 0.3002, 0.3396



56.1951, 0.3271, 0.3186

# 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.



65.2561, 0.3349, 0.3297



65.2561, 0.3002, 0.3396



65.2561, 0.3122, 0.3105

# Square

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



65.2561, 0.3002, 0.3396



65.2561, 0.2906, 0.3090



65.2561, 0.3251, 0.3187



65.2561, 0.3352, 0.3490



# Rectangle

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



65.2561, 0.3002, 0.3396



65.2561, 0.2880, 0.3200



65.2561, 0.3251, 0.3187



65.2561, 0.3381, 0.3372

# Sweetspot

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



65.2588, 0.3002, 0.3396



97.8904, 0.3085, 0.3324



65.6844, 0.3179, 0.3596



20.8702, 0.3077, 0.3331



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

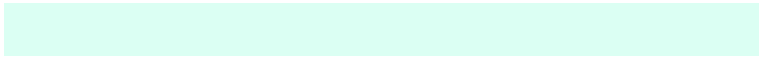


# Same Dimension

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



65.2588, 0.3002, 0.3396



93.0736, 0.2980, 0.3417



63.7303, 0.2944, 0.3244



14.7487, 0.3028, 0.3372



31.2369, 0.2573, 0.4462



2.0397, 0.2513, 0.4248



# Inverse Universe

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



56.1951, 0.3271, 0.3186



77.8889, 0.3301, 0.3167



57.5082, 0.3336, 0.3336



13.1258, 0.3237, 0.3209



9.2586, 0.5576, 0.2845



0.6158, 0.5120, 0.2594



# Previews

## White Background



This preview shows how the Yxy color 65.2561, 0.3002, 0.3396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

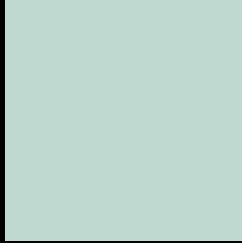
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.2561, 0.3002, 0.3396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

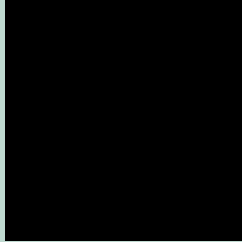
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

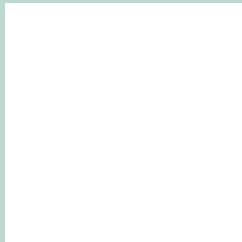
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.2561, 0.3002, 0.3396**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.2561, 0.3002, 0.3396.

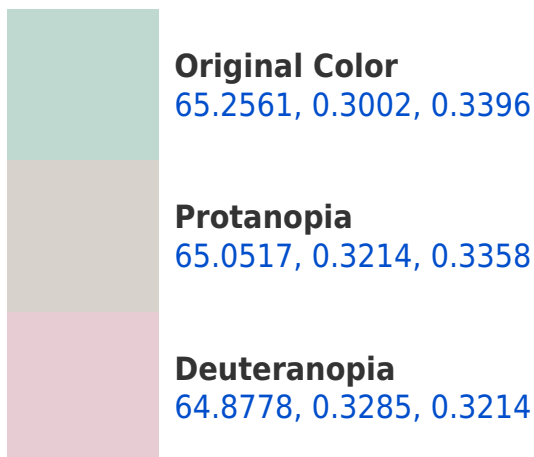


This preview shows how white text looks on a background with the Yxy color 65.2561, 0.3002, 0.3396.

# 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

65.4648, 0.2884, 0.3096

# Trichromacy



## Original Color

65.2561, 0.3002, 0.3396

## Protanomaly

65.2617, 0.3138, 0.3382

## Deuteranomaly

64.8530, 0.3173, 0.3279

## Tritanomaly

65.3979, 0.2927, 0.3197

# Monochromacy



## Original Color

65.2561, 0.3002, 0.3396

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.6992, 0.3081, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.2561, 0.3002, 0.3396 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(191, 217, 208)` looks like.

```
.text, #text, p{  
    color:rgb(191, 217, 208)  
}
```

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(191, 217, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 217, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 65.2561, 0.3002, 0.3396 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(191, 217, 208) }
```

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

```
.border{ border-color:rgb(191, 217, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 217, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 217, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 217, 208);  
box-shadow:4px 4px 4px 4px rgb(191, 217,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.2561, 0.3002, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 217, 208) }
```

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

```
.background{ background-color: rgb(191,  
217, 208) }
```

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