

# Converting Colors

Yxy(65.4060, 0.2988, 0.3320)

Have a look what the booklet for  
Yxy(65.4060, 0.2988, 0.3320)  
contains.

<b>Yxy(65.3852, 0.2990, 0.3325)</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(65.3852, 0.2990, 0.3325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2D8D5
RGB	194, 216, 213
RGB Percent	76%, 85%, 84%
CMY	0.2395, 0.1528, 0.1647
CMYK	0.10, 0.00, 0.01, 0.15
HSL	172°, 22%, 80%
HSV	172°, 10%, 85%
XYZ	58.7975, 65.3852, 72.4645
YIQ	209.0800, -12.1490, -5.5970

# Conversions

## Conversions Part 2

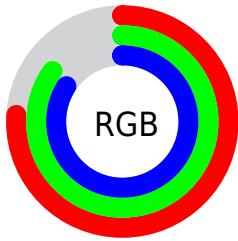
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 206, 216
Decimal	12769493
CIELab	84.68, -7.94, -1.03
CIELCh	85, 8.006, 187.370
Yxy	65.3852, 0.2990, 0.3325
Android (android.graphics.Color)	4290959573 (0xFFC2D8D5)
YUV	209.0800, 1.9326, -13.2252
Hunter-Lab	80.8611, -11.7121, 3.4695

# Details

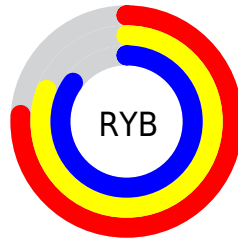
The Yxy color **65.3852, 0.2990, 0.3325** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.1804, 0.3283, 0.3255**, and the grayscale version is **63.8015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **33.5338, 0.2958, 0.3336** is the 20% darker color. If you saturate the color by 10%, you get **62.5864, 0.2863, 0.3363**, and if you desaturate by 10%, it is **68.6077, 0.3124, 0.3291**.

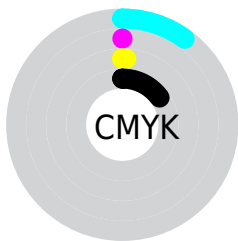
# Distribution



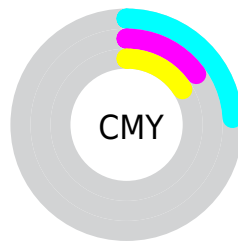
- Red (76%)
- Green (85%)
- Blue (84%)



- 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 65.3852, 0.2990, 0.3325 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 65.3852, 0.2990, 0.3325 by changing the saturation by 10% instead.




 65.3852, 0.2990,  
0.3325

 65.3852, 0.2990,  
0.3325

444.1749, 0.3055,  
0.3309

 47.7735, 0.2975,  
0.3329


 112.6035, 0.3013,  
0.3319

 33.6475, 0.2956,  
0.3333


142.9788, 0.3021,  
0.3317

 22.6230, 0.2932,  
0.3339


178.3775, 0.3029,  
0.3315

 14.3154, 0.2900,  
0.3347

219.1840, 0.3035,  
0.3314

 8.3403, 0.2856,  
0.3358

265.7825, 0.3041,  
0.3312

 4.3135, 0.2790,  
0.3373

318.5576, 0.3046,

 1.8504, 0.2682,

0.3311

377.8936, 0.3051,  
0.3310

0.3398

0.5183, 0.2056,  
0.3567

0.0000, 0.0000,  
0.0000

65.3852, 0.2990,  
0.3325

65.3852, 0.2990,  
0.3325

62.5864, 0.2863,  
0.3363

68.6077, 0.3124,  
0.3291

60.1853, 0.2745,  
0.3403


72.2623, 0.3262,  
0.3260

58.1652, 0.2639,  
0.3446

75.6539, 0.3373,  
0.3232

56.5056, 0.2549,  
0.3492

75.8143, 0.3352,  
0.3202


 55.1837, 0.2476,  
0.3539


 75.9776, 0.3331,  
0.3172


 54.1741, 0.2422,  
0.3587


 76.1438, 0.3310,  
0.3143

 53.4479, 0.2387,  
0.3636

 76.3127, 0.3290,  
0.3114

 52.9708, 0.2371,  
0.3684

 76.4846, 0.3269,  
0.3085

 52.6855, 0.2370,  
0.3731

 76.6592, 0.3248,  
0.3056

# Harmonies

## Analogous

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



65.3852, 0.3076, 0.3408



65.3852, 0.2990, 0.3325



65.3852, 0.2941, 0.3234

# Triad

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



65.3852, 0.2990, 0.3325



65.3852, 0.3075, 0.3129



65.3852, 0.3318, 0.3417

# Complementary

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



65.3852, 0.2990, 0.3325



57.1804, 0.3283, 0.3255

# 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.



65.3852, 0.3318, 0.3341



65.3852, 0.2990, 0.3325



65.3852, 0.3176, 0.3177

# Square

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



65.3852, 0.2990, 0.3325



65.3852, 0.2989, 0.3123



65.3852, 0.3266, 0.3254



65.3852, 0.3266, 0.3460



# Rectangle

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



65.3852, 0.2990, 0.3325



65.3852, 0.2935, 0.3182



65.3852, 0.3266, 0.3254



65.3852, 0.3324, 0.3395

# Sweetspot

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



65.3879, 0.2990, 0.3325



98.5103, 0.3086, 0.3300



64.9193, 0.3139, 0.3551



21.0021, 0.3075, 0.3303



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

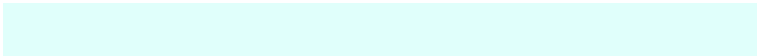


# Same Dimension

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



65.3879, 0.2990, 0.3325



94.3834, 0.2965, 0.3332



61.6712, 0.2970, 0.3199



14.0772, 0.3001, 0.3322



31.1876, 0.2368, 0.3724



1.8894, 0.2345, 0.3641



# Inverse Universe

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



57.1804, 0.3283, 0.3255



80.4216, 0.3316, 0.3249



60.5751, 0.3297, 0.3380



12.4483, 0.3270, 0.3258



8.7049, 0.6210, 0.3194

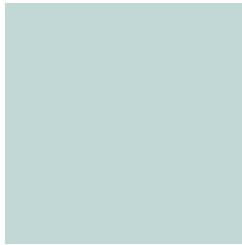


0.5342, 0.5808, 0.2973



# Previews

## White Background



This preview shows how the Yxy color 65.3852, 0.2990, 0.3325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

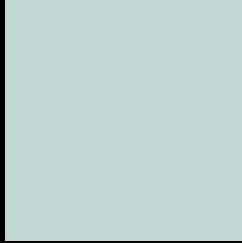
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3852, 0.2990, 0.3325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

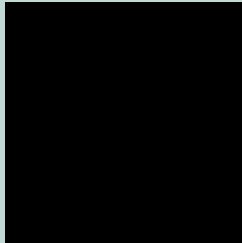
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

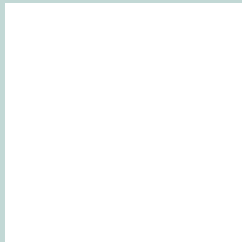
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.3852, 0.2990, 0.3325**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3852, 0.2990, 0.3325.

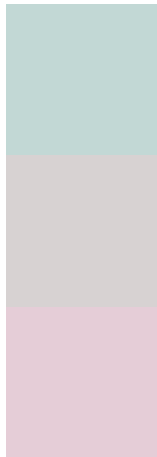


This preview shows how white text looks on a background with the Yxy color 65.3852, 0.2990, 0.3325.

# 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

65.3852, 0.2990, 0.3325

### Protanopia

65.1934, 0.3164, 0.3290

### Deuteranopia

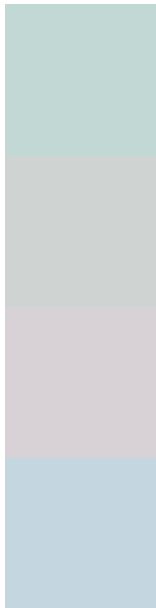
65.2270, 0.3239, 0.3182



## Tritanopia

65.1720, 0.2903, 0.3096

# Trichromacy



## Original Color

65.3852, 0.2990, 0.3325

## Protanomaly

65.0555, 0.3097, 0.3301

## Deuteranomaly

65.0549, 0.3145, 0.3234

## Tritanomaly

65.2107, 0.2934, 0.3175

# Monochromacy



## Original Color

65.3852, 0.2990, 0.3325

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.5775, 0.3082, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3852, 0.2990, 0.3325 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(194, 216, 213)` looks like.

```
.text, #text, p{  
    color:rgb(194, 216, 213)  
}
```

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(194, 216, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 216, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3852, 0.2990, 0.3325 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(194, 216, 213) }
```

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

```
.border{ border-color:rgb(194, 216, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 216, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 216, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 216, 213);  
box-shadow:4px 4px 4px 4px rgb(194, 216,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3852, 0.2990, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 216, 213) }
```

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

```
.background{ background-color: rgb(194,  
216, 213) }
```

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