

Converting Colors

$Yxy(65.5934, 0.3035, 0.3354)$

Have a look what the booklet for
Yxy(65.5934, 0.3035, 0.3354)
contains.

Yxy(65.7706, 0.3038, 0.3359)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.7706, 0.3038, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	C6D8D2
RGB	198, 216, 210
RGB Percent	78%, 85%, 82%
CMY	0.2234, 0.1530, 0.1764
CMYK	0.08, 0.00, 0.03, 0.15
HSL	160°, 19%, 81%
HSV	160°, 8%, 85%
XYZ	59.4853, 65.7706, 70.5482
YIQ	209.9340, -8.8020, -5.6820

Conversions

Conversions Part 2

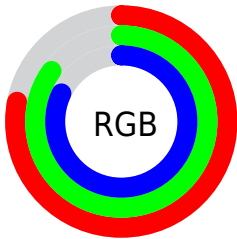
Format	Color
RYB	198, 209, 216
Decimal	13031634
CIELab	84.88, -7.14, 0.87
CIELCh	85, 7.189, 173.078
Yxy	65.7706, 0.3038, 0.3359
Android (android.graphics.Color)	4291221714 (0xFFC6D8D2)
YUV	209.9340, 0.0325, -10.4661
Hunter-Lab	81.0991, -10.9956, 5.1929

Details

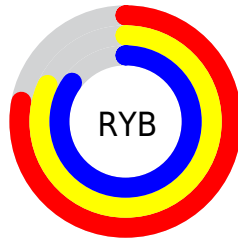
The Yxy color **65.7706, 0.3038, 0.3359** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.3595, 0.3225, 0.3222**, and the grayscale version is **64.4126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.8193, 0.3011, 0.3367** is the 20% darker color. If you saturate the color by 10%, you get **62.6941, 0.2934, 0.3450**, and if you desaturate by 10%, it is **69.2873, 0.3145, 0.3277**.

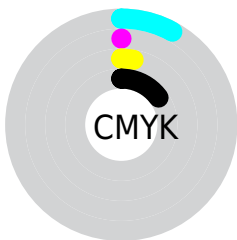
Distribution



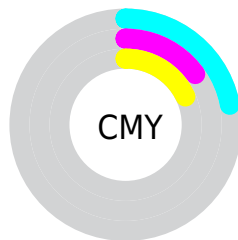
- Red (78%)
- Green (85%)
- Blue (82%)



- Red (78%)
- Yellow (82%)
- Blue (85%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (15%)



- Cyan (22%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7706, 0.3038, 0.3359 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 65.7706, 0.3038, 0.3359 by changing the saturation by 10% instead.

■ 65.7706, 0.3038,
0.3359

■ 65.7706, 0.3038,
0.3359

445.5560, 0.3080,
0.3326

■ 48.0862, 0.3028,
0.3367

113.1570, 0.3053,
0.3348

■ 33.8952, 0.3016,
0.3376

143.6278, 0.3058,
0.3343

■ 22.8131, 0.3000,
0.3388

179.1296, 0.3063,
0.3339

■ 14.4555, 0.2979,
0.3405

220.0466, 0.3068,
0.3336

■ 8.4382, 0.2950,
0.3428

266.7634, 0.3071,
0.3333

■ 4.3766, 0.2906,
0.3462

319.6643, 0.3075,

■ 1.8864, 0.2835,

0.3331

0.3518

379.1337, 0.3078,
0.3328

■ 0.5402, 0.2411,
0.3839

■ 0.0000, 0.0000,
0.0000

■ 65.7706, 0.3038,
0.3359

■ 65.7706, 0.3038,
0.3359

■ 62.6941, 0.2934,
0.3450

■ 69.2873, 0.3145,
0.3277

■ 60.0316, 0.2837,
0.3550

■ 73.2526, 0.3254,
0.3203

■ 57.7668, 0.2749,
0.3659

■ 76.1702, 0.3305,
0.3135

■ 55.8790, 0.2673,
0.3775

■ 76.5854, 0.3255,
0.3065

■ 54.3459, 0.2612,
0.3897

■ 77.0175, 0.3206,
0.2996

■ 53.1424, 0.2569,
0.4023

■ 77.4666, 0.3158,
0.2928

■ 52.2401, 0.2547,
0.4151

■ 77.5892, 0.3145,
0.2910

■ 51.6058, 0.2544,
0.4279

■ 51.1903, 0.2560,
0.4405

Harmonies

Analogous

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



65.7706, 0.3124, 0.3421



65.7706, 0.3038, 0.3359



65.7706, 0.2976, 0.3278

Triad

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



65.7706, 0.3038, 0.3359



65.7706, 0.3041, 0.3138



65.7706, 0.3304, 0.3374

Complementary

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



65.7706, 0.3038, 0.3359



59.3595, 0.3225, 0.3222

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.



65.7706, 0.3281, 0.3299



65.7706, 0.3038, 0.3359



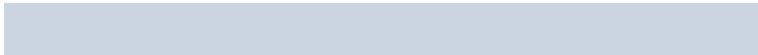
65.7706, 0.3128, 0.3164

Square

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



65.7706, 0.3038, 0.3359



65.7706, 0.2977, 0.3151



65.7706, 0.3216, 0.3222



65.7706, 0.3279, 0.3429

Rectangle

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



65.7706, 0.3038, 0.3359



65.7706, 0.2956, 0.3226



65.7706, 0.3216, 0.3222



65.7706, 0.3301, 0.3351

Sweetspot

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



65.7734, 0.3038, 0.3359



98.9369, 0.3105, 0.3306



66.0277, 0.3161, 0.3499



21.1877, 0.3106, 0.3305



0.0000, 0.0000, 0.0000



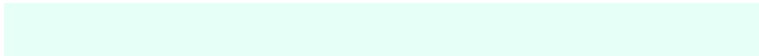
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7734, 0.3038, 0.3359



94.9466, 0.3019, 0.3375



64.5563, 0.2999, 0.3255



14.0344, 0.3026, 0.3369



30.2859, 0.2557, 0.4407



1.8418, 0.2497, 0.4190

Inverse Universe

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



59.3595, 0.3225, 0.3222



83.7472, 0.3248, 0.3207



60.4612, 0.3267, 0.3325



12.4882, 0.3239, 0.3213



8.9342, 0.5630, 0.2875



0.5540, 0.5140, 0.2605

Previews

White Background



This preview shows how the Yxy color 65.7706, 0.3038, 0.3359 looks on a white background.

Color Contrast Check

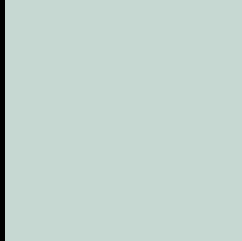
Large Text (above 18pt) WCAG AA × Fail

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 65.7706, 0.3038, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

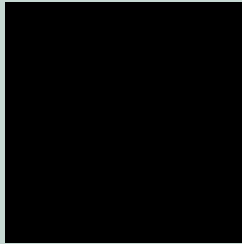
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

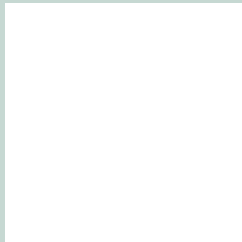
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.7706, 0.3038, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 65.7706, 0.3038, 0.3359.



This preview shows how white text looks on a background with the Yxy color 65.7706, 0.3038, 0.3359.

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

65.7706, 0.3038, 0.3359

Protanopia

65.6925, 0.3192, 0.3335

Deuteranopia

65.5719, 0.3284, 0.3215



Tritanopia

65.7192, 0.2930, 0.3098

Trichromacy



Original Color

65.7706, 0.3038, 0.3359

Protanomaly

65.6979, 0.3132, 0.3347

Deuteranomaly

65.5197, 0.3196, 0.3268

Tritanomaly

65.7002, 0.2968, 0.3187

Monochromacy



Original Color

65.7706, 0.3038, 0.3359

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.8619, 0.3097, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7706, 0.3038, 0.3359 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(198, 216, 210)` looks like.

```
.text, #text, p{  
    color:rgb(198, 216, 210)  
}
```

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(198, 216, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 216, 210) }
```

Border

The CSS property to change the border of an element to Yxy 65.7706, 0.3038, 0.3359 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(198, 216, 210) }
```

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

```
.border{ border-color:rgb(198, 216, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 216, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 216, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 216, 210);  
box-shadow:4px 4px 4px 4px rgb(198, 216,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7706, 0.3038, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 216, 210) }
```

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

```
.background{ background-color: rgb(198,  
216, 210) }
```

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