

Converting Colors

Yxy(63.6806, 0.3057, 0.3210)

Have a look what the booklet for
Yxy(63.6806, 0.3057, 0.3210)
contains.

Yxy(63.6806, 0.3057, 0.3210)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.6806, 0.3057, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	CED1D8
RGB	206, 209, 216
RGB Percent	81%, 82%, 85%
CMY	0.1922, 0.1804, 0.1530
CMYK	0.05, 0.03, 0.00, 0.15
HSL	222°, 11%, 83%
HSV	222°, 5%, 85%
XYZ	60.6454, 63.6806, 74.0560
YIQ	208.9010, -4.0350, 1.5410

Conversions

Conversions Part 2

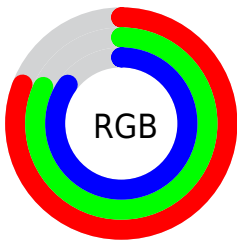
Format	Color
R _Y B	206, 208, 216
Decimal	13554136
CIE Lab	83.80, 0.28, -3.82
CIE LCh	84, 3.828, 274.215
Yxy	63.6806, 0.3057, 0.3210
Android (android.graphics.Color)	4291744216 (0xFFCED1D8)
YUV	208.9010, 3.4998, -2.5442
Hunter-Lab	79.8001, -3.9963, 0.8379

Details

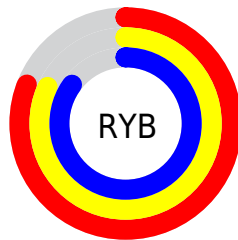
The Yxy color **63.6806, 0.3057, 0.3210** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.6290, 0.3198, 0.3369**, and the grayscale version is **63.6716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.6913, 0.3044, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **53.7487, 0.2897, 0.3021**, and if you desaturate by 10%, it is **74.7430, 0.3205, 0.3377**.

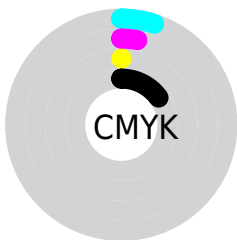
Distribution



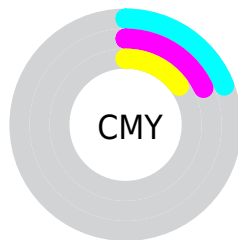
- Red (81%)
- Green (82%)
- Blue (85%)



- Red (81%)
- Yellow (82%)
- Blue (85%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (15%)



- Cyan (19%)
- Magenta (18%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6806, 0.3057, 0.3210 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 63.6806, 0.3057, 0.3210 by changing the saturation by 10% instead.

■ 63.6806, 0.3057,
0.3210

■ 63.6806, 0.3057,
0.3210

438.0353, 0.3090,
0.3248

■ 46.3920, 0.3049,
0.3201

110.1508, 0.3069,
0.3223

■ 32.5553, 0.3039,
0.3190

140.1013, 0.3073,
0.3228

■ 21.7860, 0.3027,
0.3176

175.0411, 0.3077,
0.3233

■ 13.6997, 0.3010,
0.3157

215.3548, 0.3080,
0.3237

■ 7.9121, 0.2987,
0.3130

261.4266, 0.3083,
0.3240

■ 4.0388, 0.2952,
0.3090

313.6411, 0.3086,

■ 1.6953, 0.2893,

0.3243

372.3825, 0.3088,
0.3246

0.3024

0.4206, 0.2620,
0.2710

0.0000, 0.0000,
0.0000

63.6806, 0.3057,
0.3210

63.6806, 0.3057,
0.3210

53.7487, 0.2897,
0.3021

74.7430, 0.3205,
0.3377

44.9027, 0.2725,
0.2810

86.9627, 0.3340,
0.3523

37.1067, 0.2546,
0.2578

97.2573, 0.3359,
0.3664

30.3197, 0.2363,
0.2327

97.7376, 0.3358,
0.3671

■ 24.4978, 0.2182,
0.2063

■ 19.5937, 0.2011,
0.1795

■ 15.5557, 0.1860,
0.1534

■ 12.3259, 0.1736,
0.1293

■ 9.8374, 0.1645,
0.1083

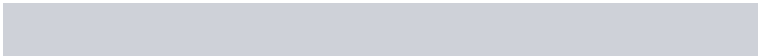
Harmonies

Analogous

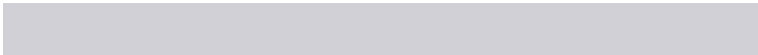
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.6806, 0.3035, 0.3231



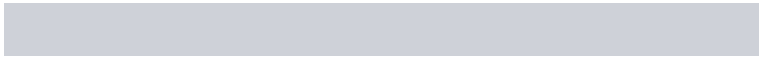
63.6806, 0.3057, 0.3210



63.6806, 0.3097, 0.3210

Triad

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



63.6806, 0.3057, 0.3210



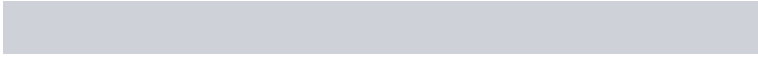
63.6806, 0.3217, 0.3311



63.6806, 0.3108, 0.3350

Complementary

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



63.6806, 0.3057, 0.3210



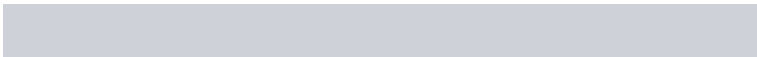
66.6290, 0.3198, 0.3369

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.



63.6806, 0.3157, 0.3371



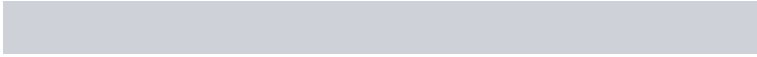
63.6806, 0.3057, 0.3210



63.6806, 0.3220, 0.3349

Square

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



63.6806, 0.3057, 0.3210



63.6806, 0.3190, 0.3269



63.6806, 0.3198, 0.3371



63.6806, 0.3065, 0.3312

Rectangle

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



63.6806, 0.3057, 0.3210



63.6806, 0.3130, 0.3223



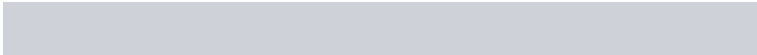
63.6806, 0.3198, 0.3371



63.6806, 0.3124, 0.3359

Sweetspot

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



63.6833, 0.3057, 0.3210



98.3890, 0.3112, 0.3273



67.0242, 0.3076, 0.3326



21.0763, 0.3113, 0.3274



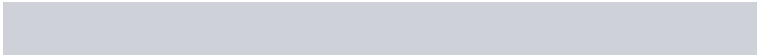
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



63.6833, 0.3057, 0.3210



90.5862, 0.3035, 0.3185



62.4791, 0.3071, 0.3176



13.2269, 0.3027, 0.3175



5.3530, 0.1614, 0.1011



0.4671, 0.1711, 0.1360

Inverse Universe

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



63.3392, 0.3182, 0.3256



89.9547, 0.3200, 0.3245



67.8846, 0.3182, 0.3403



13.1270, 0.3207, 0.3241



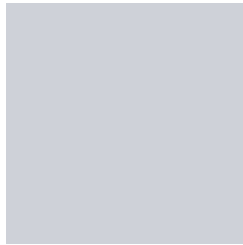
8.8852, 0.5742, 0.2937



0.5505, 0.5244, 0.2663

Previews

White Background



This preview shows how the Yxy color 63.6806, 0.3057, 0.3210 looks on a white background.

Color Contrast Check

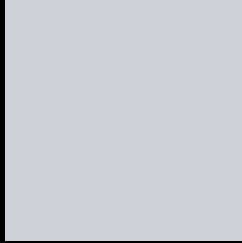
Large Text (above 18pt) WCAG AA × Fail

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 63.6806, 0.3057, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

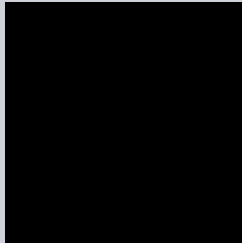
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

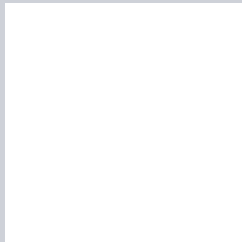
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.6806, 0.3057, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 63.6806, 0.3057, 0.3210.

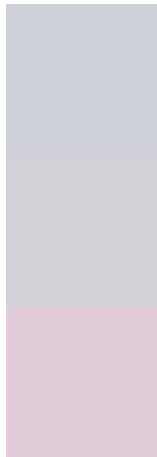


This preview shows how white text looks on a background with the Yxy color 63.6806, 0.3057, 0.3210.

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

63.6806, 0.3057, 0.3210

Protanopia

63.8669, 0.3101, 0.3211

Deuteranopia

63.7292, 0.3196, 0.3137



Tritanopia

63.7590, 0.3011, 0.3109

Trichromacy



Original Color

63.6806, 0.3057, 0.3210

Protanomaly

63.5734, 0.3086, 0.3210

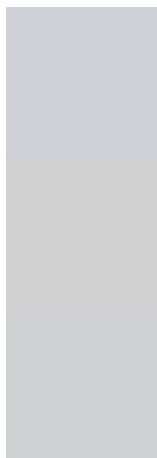
Deuteranomaly

63.5778, 0.3141, 0.3156

Tritanomaly

63.5976, 0.3031, 0.3142

Monochromacy



Original Color

63.6806, 0.3057, 0.3210

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.7643, 0.3099, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6806, 0.3057, 0.3210 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(206, 209, 216)` looks like.

```
.text, #text, p{  
    color:rgb(206, 209, 216)  
}
```

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(206, 209, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 209, 216) }
```

Border

The CSS property to change the border of an element to Yxy 63.6806, 0.3057, 0.3210 is called "border". The border property can be set on classes, ids or directly on the HTML element.

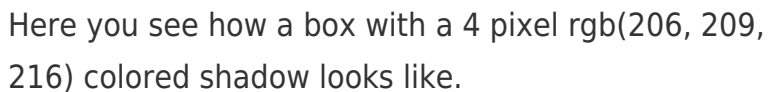
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 209, 216) }
```

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

```
.border{ border-color:rgb(206, 209, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 209, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 209, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 209, 216);  
box-shadow:4px 4px 4px 4px rgb(206, 209,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6806, 0.3057, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 209, 216) }
```

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

```
.background{ background-color: rgb(206,  
209, 216) }
```

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