

Converting Colors

Yxy(67.8846, 0.3182, 0.3403)

Have a look what the booklet for
Yxy(67.8846, 0.3182, 0.3403)
contains.

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Color

Yxy(67.8641, 0.3180, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	D6D8CE
RGB	214, 216, 206
RGB Percent	84%, 85%, 81%
CMY	0.1610, 0.1529, 0.1922
CMYK	0.01, 0.00, 0.05, 0.15
HSL	72°, 11%, 83%
HSV	72°, 5%, 85%
XYZ	63.4169, 67.8641, 68.1433
YIQ	214.2620, 2.0180, -3.5340

Conversions

Conversions Part 2

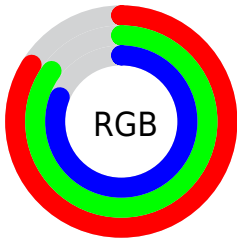
Format	Color
R _Y B	206, 216, 208
Decimal	14080206
CIE Lab	85.94, -2.48, 4.68
CIE LCh	86, 5.298, 117.906
Yxy	67.8641, 0.3180, 0.3403
Android (android.graphics.Color)	4292270286 (0xFFD6D8CE)
YUV	214.2620, -4.0732, -0.2298
Hunter-Lab	82.3797, -6.7528, 8.6219

Details

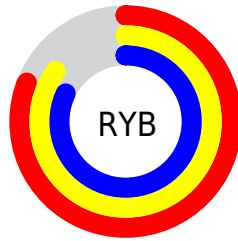
The Yxy color **67.8641, 0.3180, 0.3403** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.5161, 0.3073, 0.3176**, and the grayscale version is **67.4548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1277, 0.3188, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **66.2280, 0.3296, 0.3657**, and if you desaturate by 10%, it is **69.6686, 0.3067, 0.3164**.

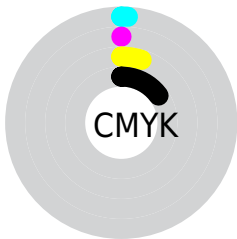
Distribution



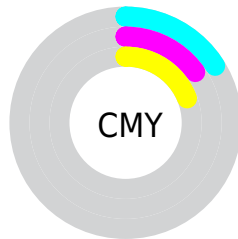
- Red (84%)
- Green (85%)
- Blue (81%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)



- Cyan (16%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8641, 0.3180, 0.3403 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 67.8641, 0.3180, 0.3403 by changing the saturation by 10% instead.

■ 67.8641, 0.3180,
0.3403

■ 67.8641, 0.3180,
0.3403

453.0144, 0.3155,
0.3350

■ 49.7872, 0.3186,
0.3415

116.1577, 0.3171,
0.3384

■ 35.2443, 0.3193,
0.3431

147.1432, 0.3168,
0.3377

■ 23.8511, 0.3202,
0.3451

183.2003, 0.3165,
0.3371

■ 15.2232, 0.3214,
0.3477

224.7135, 0.3163,
0.3366

■ 8.9762, 0.3230,
0.3514

272.0671, 0.3161,
0.3361

■ 4.7257, 0.3254,
0.3568

325.6455, 0.3159,

■ 2.0872, 0.3292,

0.3357

0.3658

385.8331, 0.3157,
0.3353

0.6574, 0.3505,
0.4083

0.0000, 0.0000,
0.0000

67.8641, 0.3180,
0.3403

67.8641, 0.3180,
0.3403

66.2280, 0.3296,
0.3657

69.6686, 0.3067,
0.3164

64.7456, 0.3411,
0.3920

71.6385, 0.2960,
0.2942

63.4134, 0.3523,
0.4186

72.7222, 0.2954,
0.2888

62.2245, 0.3625,
0.4447

73.4564, 0.2984,
0.2891

61.1715, 0.3714,
0.4691

74.2095, 0.3014,
0.2895

60.2461, 0.3782,
0.4907

74.9816, 0.3045,
0.2899

59.4392, 0.3827,
0.5086

75.7728, 0.3076,
0.2902

58.7399, 0.3846,
0.5220

76.5833, 0.3107,
0.2906

58.1354, 0.3840,
0.5308

77.4131, 0.3138,
0.2910

Harmonies

Analogous

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



67.8641, 0.3232, 0.3395



67.8641, 0.3180, 0.3403



67.8641, 0.3115, 0.3380

Triad

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



67.8641, 0.3180, 0.3403



67.8641, 0.3001, 0.3219



67.8641, 0.3201, 0.3249

Complementary

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



67.8641, 0.3180, 0.3403



62.5161, 0.3073, 0.3176

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.



67.8641, 0.3139, 0.3203



67.8641, 0.3180, 0.3403



67.8641, 0.3024, 0.3185

Square

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



67.8641, 0.3180, 0.3403



67.8641, 0.3012, 0.3272



67.8641, 0.3074, 0.3180



67.8641, 0.3244, 0.3306

Rectangle

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



67.8641, 0.3180, 0.3403



67.8641, 0.3072, 0.3349



67.8641, 0.3074, 0.3180



67.8641, 0.3182, 0.3232

Sweetspot

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



67.8670, 0.3180, 0.3403



99.7374, 0.3139, 0.3314



64.1685, 0.3202, 0.3313



21.3507, 0.3138, 0.3313



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.



67.8670, 0.3180, 0.3403



98.4606, 0.3196, 0.3438



67.1332, 0.3144, 0.3404



14.4857, 0.3202, 0.3451



34.2748, 0.3835, 0.5337



2.1006, 0.3900, 0.5285

Inverse Universe

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



62.5161, 0.3073, 0.3176



88.3920, 0.3056, 0.3139



63.2457, 0.3110, 0.3177



12.8772, 0.3049, 0.3126



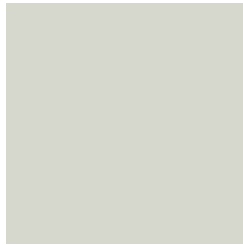
3.2953, 0.1607, 0.0659



0.2346, 0.1774, 0.0751

Previews

White Background



This preview shows how the Yxy color 67.8641, 0.3180, 0.3403 looks on a white background.

Color Contrast Check

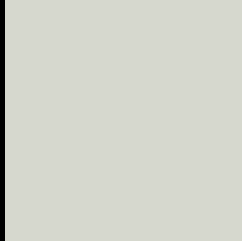
Large Text (above 18pt) WCAG AA × Fail

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 67.8641, 0.3180, 0.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

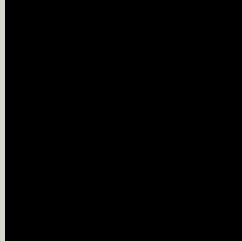
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

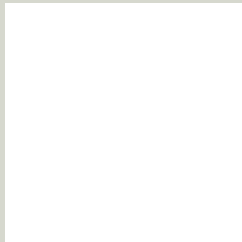
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8641, 0.3180, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 67.8641, 0.3180, 0.3403.

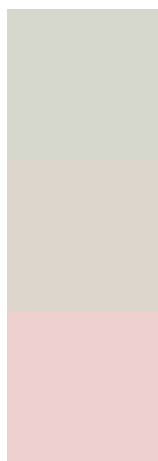


This preview shows how white text looks on a background with the Yxy color 67.8641, 0.3180, 0.3403.

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

67.8641, 0.3180, 0.3403

Protanopia

67.8731, 0.3241, 0.3390

Deuteranopia

67.8430, 0.3357, 0.3291



Tritanopia

67.9974, 0.3049, 0.3115

Trichromacy



Original Color

67.8641, 0.3180, 0.3403

Protanomaly

67.9141, 0.3218, 0.3402

Deuteranomaly

67.7515, 0.3291, 0.3334

Tritanomaly

67.9125, 0.3095, 0.3213

Monochromacy



Original Color

67.8641, 0.3180, 0.3403

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.6002, 0.3147, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8641, 0.3180, 0.3403 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(214, 216, 206)` looks like.

```
.text, #text, p{  
    color:rgb(214, 216, 206)  
}
```

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(214, 216, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 216, 206) }
```

Border

The CSS property to change the border of an element to Yxy 67.8641, 0.3180, 0.3403 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(214, 216, 206) }
```

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

```
.border{ border-color:rgb(214, 216, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 216, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 216, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 216, 206);  
box-shadow:4px 4px 4px 4px rgb(214, 216,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8641, 0.3180, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 216, 206) }
```

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

```
.background{ background-color: rgb(214,  
216, 206) }
```

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](#).

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