

Converting Colors

$Yxy(67.3894, 0.3116, 0.3452)$

Have a look what the booklet for
Yxy(67.3894, 0.3116, 0.3452)
contains.

Yxy(67.3398, 0.3120, 0.3451)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.3398, 0.3120, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	CCDACC
RGB	204, 218, 204
RGB Percent	80%, 85%, 80%
CMY	0.1998, 0.1451, 0.2000
CMYK	0.06, 0.00, 0.06, 0.15
HSL	120°, 16%, 83%
HSV	120°, 6%, 85%
XYZ	60.8810, 67.3398, 66.9105
YIQ	212.2180, -3.8500, -7.3220

Conversions

Conversions Part 2

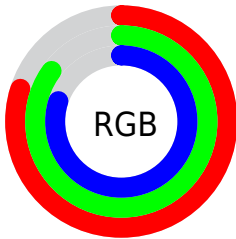
Format	Color
R_YB	204, 218, 218
Decimal	13425356
CIE Lab	85.68, -7.25, 5.27
CIE LCh	86, 8.959, 144.002
Yxy	67.3398, 0.3120, 0.3451
Android (android.graphics.Color)	4291615436 (0xFFCCDACC)
YUV	212.2180, -4.0515, -7.2072
Hunter-Lab	82.0608, -11.1773, 9.0989

Details

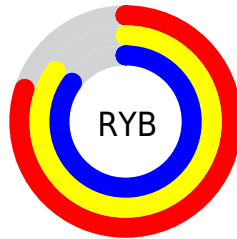
The Yxy color **67.3398, 0.3120, 0.3451** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.1400, 0.3134, 0.3134**, and the grayscale version is **66.0261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.8804, 0.3118, 0.3488** is the 20% darker color. If you saturate the color by 10%, you get **63.5104, 0.3107, 0.3731**, and if you desaturate by 10%, it is **71.7492, 0.3131, 0.3206**.

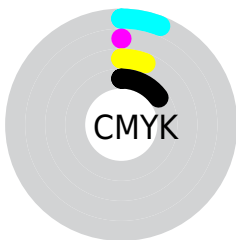
Distribution



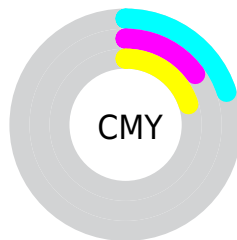
- Red (80%)
- Green (85%)
- Blue (80%)



- Red (80%)
- Yellow (85%)
- Blue (85%)



- Cyan (6%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)



- Cyan (20%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3398, 0.3120, 0.3451 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 67.3398, 0.3120, 0.3451 by changing the saturation by 10% instead.

■ 67.3398, 0.3120,
0.3451

■ 67.3398, 0.3120,
0.3451

451.1533, 0.3124,
0.3375

■ 49.3608, 0.3119,
0.3469

115.4072, 0.3121,
0.3424

■ 34.9058, 0.3118,
0.3491

146.2644, 0.3122,
0.3414

■ 23.5903, 0.3116,
0.3520

182.1831, 0.3122,
0.3405

■ 15.0300, 0.3114,
0.3559

223.5477, 0.3123,
0.3397

■ 8.8404, 0.3110,
0.3613

270.7427, 0.3123,
0.3391

■ 4.6373, 0.3104,
0.3695

324.1523, 0.3123,

■ 2.0360, 0.3092,

0.3385

0.3831

384.1611, 0.3124,
0.3379

0.6283, 0.3080,
0.4605

0.0000, 0.0000,
0.0000

67.3398, 0.3120,
0.3451

67.3398, 0.3120,
0.3451

63.5104, 0.3107,
0.3731

71.7492, 0.3131,
0.3206

60.2287, 0.3093,
0.4044

76.7521, 0.3140,
0.2995

57.4723, 0.3078,
0.4386

78.6193, 0.3144,
0.2930

55.2140, 0.3061,
0.4744

■ 53.4239, 0.3045,
0.5098

■ 52.0694, 0.3029,
0.5423

■ 51.1131, 0.3016,
0.5690

■ 50.5120, 0.3007,
0.5877

■ 50.2120, 0.3002,
0.5976

Harmonies

Analogous

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



67.3398, 0.3229, 0.3484



67.3398, 0.3120, 0.3451



67.3398, 0.3014, 0.3373

Triad

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



67.3398, 0.3120, 0.3451



67.3398, 0.2944, 0.3117



67.3398, 0.3319, 0.3304

Complementary

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



67.3398, 0.3120, 0.3451



63.1400, 0.3134, 0.3134

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.



67.3398, 0.3240, 0.3209



67.3398, 0.3120, 0.3451



67.3398, 0.3023, 0.3103

Square

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



67.3398, 0.3120, 0.3451



67.3398, 0.2913, 0.3178



67.3398, 0.3131, 0.3136



67.3398, 0.3346, 0.3396

Rectangle

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



67.3398, 0.3120, 0.3451



67.3398, 0.2959, 0.3306



67.3398, 0.3131, 0.3136



67.3398, 0.3298, 0.3271

Sweetspot

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



67.3427, 0.3120, 0.3451



98.7251, 0.3125, 0.3339



69.2820, 0.3222, 0.3444



21.1446, 0.3125, 0.3337



0.0000, 0.0000, 0.0000



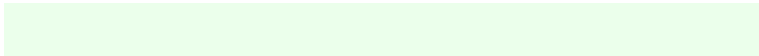
21.4041, 0.3127, 0.3290

Same Dimension

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



67.3427, 0.3120, 0.3451



95.1027, 0.3118, 0.3495



67.6668, 0.3075, 0.3372



14.6087, 0.3116, 0.3532



30.0452, 0.3001, 0.5999



1.9473, 0.3004, 0.5997

Inverse Universe

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



63.1400, 0.3134, 0.3134



87.6528, 0.3136, 0.3093



62.8013, 0.3183, 0.3209



13.2721, 0.3137, 0.3060



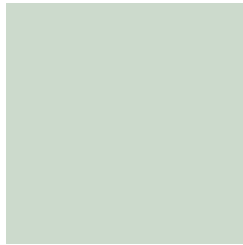
11.8853, 0.3200, 0.1536



0.7708, 0.3201, 0.1537

Previews

White Background



This preview shows how the Yxy color 67.3398, 0.3120, 0.3451 looks on a white background.

Color Contrast Check

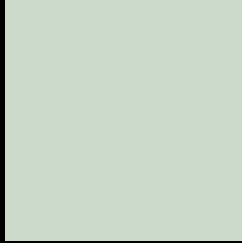
Large Text (above 18pt) WCAG AA × Fail

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 67.3398, 0.3120, 0.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

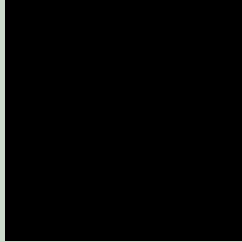
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

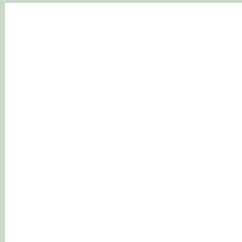
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.3398, 0.3120, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 67.3398, 0.3120, 0.3451.



This preview shows how white text looks on a background with the Yxy color 67.3398, 0.3120, 0.3451.

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

67.2726, 0.2972, 0.3101

Trichromacy



Original Color

67.3398, 0.3120, 0.3451

Protanomaly

67.3122, 0.3216, 0.3437

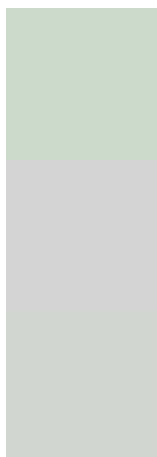
Deuteranomaly

67.0039, 0.3275, 0.3357

Tritanomaly

67.0867, 0.3030, 0.3222

Monochromacy



Original Color

67.3398, 0.3120, 0.3451

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.2519, 0.3124, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3398, 0.3120, 0.3451 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(204, 218, 204) looks like.

```
.text, #text, p{  
    color:rgb(204, 218, 204)  
}
```

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(204, 218, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 218, 204) }
```

Border

The CSS property to change the border of an element to Yxy 67.3398, 0.3120, 0.3451 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(204, 218, 204) }
```

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

```
.border{ border-color:rgb(204, 218, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 218, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 218, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 218, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 218,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3398, 0.3120, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 218, 204) }
```

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

```
.background{ background-color: rgb(204,  
218, 204) }
```

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