

Converting Colors

$Yxy(69.9993, 0.3133, 0.3495)$

Have a look what the booklet for
Yxy(69.9993, 0.3133, 0.3495)
contains.

Yxy(69.8676, 0.3139, 0.3495)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.8676, 0.3139, 0.3495)

Conversions

Conversions Part 1

Format	Color
Hex	CFDECC
RGB	207, 222, 204
RGB Percent	81%, 87%, 80%
CMY	0.1882, 0.1294, 0.2001
CMYK	0.07, 0.00, 0.08, 0.13
HSL	110°, 21%, 84%
HSV	110°, 8%, 87%
XYZ	62.7509, 69.8676, 67.2888
YIQ	215.4630, -3.1620, -8.7780

Conversions

Conversions Part 2

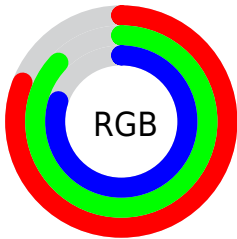
Format	Color
R_{YB}	204, 222, 219
Decimal	13622988
CIE _{Lab}	86.93, -8.30, 7.11
CIE _{LCh}	87, 10.928, 139.393
Yxy	69.8676, 0.3139, 0.3495
Android (android.graphics.Color)	4291813068 (0xFFCFDECC)
YUV	215.4630, -5.6513, -7.4221
Hunter-Lab	83.5868, -12.2722, 10.7814

Details

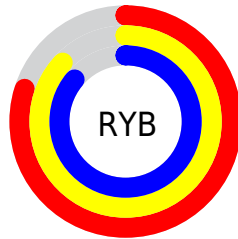
The Yxy color **69.8676, 0.3139, 0.3495** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.5048, 0.3114, 0.3091**, and the grayscale version is **68.3271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6117, 0.3143, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **66.3736, 0.3152, 0.3775**, and if you desaturate by 10%, it is **73.8307, 0.3124, 0.3245**.

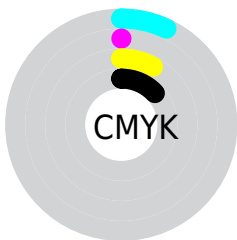
Distribution



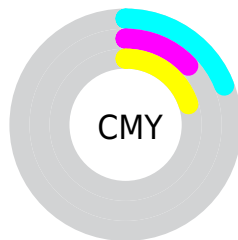
- Red (81%)
- Green (87%)
- Blue (80%)



- Red (80%)
- Yellow (87%)
- Blue (86%)



- Cyan (7%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)



- Cyan (19%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8676, 0.3139, 0.3495 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 69.8676, 0.3139, 0.3495 by changing the saturation by 10% instead.

■ 69.8676, 0.3139,
0.3495

■ 69.8676, 0.3139,
0.3495

460.0850, 0.3134,
0.3398

■ 51.4186, 0.3140,
0.3518

119.0199, 0.3137,
0.3461

■ 36.5419, 0.3141,
0.3546

150.4920, 0.3137,
0.3448

■ 24.8530, 0.3142,
0.3582

187.0740, 0.3136,
0.3437

■ 15.9675, 0.3144,
0.3631

229.1502, 0.3136,
0.3427

■ 9.5012, 0.3145,
0.3698

277.1050, 0.3135,
0.3418

■ 5.0695, 0.3146,
0.3799

331.3228, 0.3135,

■ 2.2881, 0.3146,

0.3411

392.1880, 0.3134,
0.3404

0.3965

0.7674, 0.3227,
0.4701

0.0000, 0.0000,
0.0000

69.8676, 0.3139,
0.3495

69.8676, 0.3139,
0.3495

66.3736, 0.3152,
0.3775

73.8307, 0.3124,
0.3245

63.3225, 0.3162,
0.4084

78.2699, 0.3109,
0.3026

60.6993, 0.3167,
0.4416

80.7259, 0.3142,
0.2970

58.4846, 0.3166,
0.4758

■ 56.6574, 0.3158,
0.5094

■ 55.1949, 0.3141,
0.5402

■ 54.0719, 0.3116,
0.5657

■ 53.2596, 0.3085,
0.5841

■ 52.7219, 0.3052,
0.5948

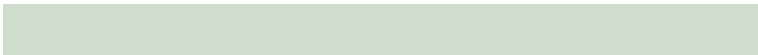
Harmonies

Analogous

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



69.8676, 0.3268, 0.3525



69.8676, 0.3139, 0.3495



69.8676, 0.3009, 0.3407

Triad

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



69.8676, 0.3139, 0.3495



69.8676, 0.2897, 0.3090



69.8676, 0.3348, 0.3288

Complementary

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



69.8676, 0.3139, 0.3495



63.5048, 0.3114, 0.3091

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.



69.8676, 0.3244, 0.3177



69.8676, 0.3139, 0.3495



69.8676, 0.2984, 0.3064

Square

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



69.8676, 0.3139, 0.3495



69.8676, 0.2871, 0.3170



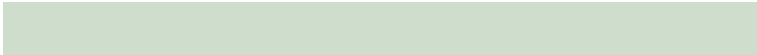
69.8676, 0.3111, 0.3096



69.8676, 0.3391, 0.3401

Rectangle

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



69.8676, 0.3139, 0.3495



69.8676, 0.2938, 0.3328



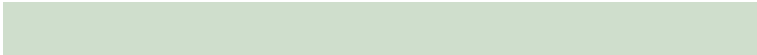
69.8676, 0.3111, 0.3096



69.8676, 0.3319, 0.3249

Sweetspot

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



69.8706, 0.3139, 0.3495



98.8800, 0.3130, 0.3339



70.3961, 0.3251, 0.3453



21.1761, 0.3130, 0.3337



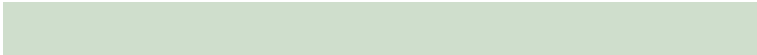
0.0000, 0.0000, 0.0000



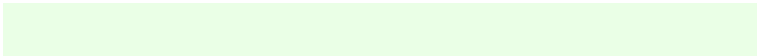
21.4041, 0.3127, 0.3290

Same Dimension

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



69.8706, 0.3139, 0.3495



94.6612, 0.3142, 0.3547



69.7173, 0.3080, 0.3430



15.4473, 0.3141, 0.3531



31.3006, 0.3053, 0.5958



2.2034, 0.3145, 0.5885

Inverse Universe

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



63.5048, 0.3114, 0.3091



83.9920, 0.3110, 0.3041



63.6779, 0.3177, 0.3154



13.8130, 0.3111, 0.3057



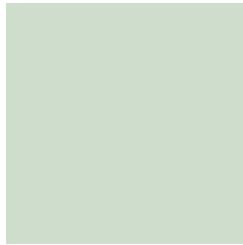
9.2786, 0.2789, 0.1310



0.6744, 0.2857, 0.1348

Previews

White Background



This preview shows how the Yxy color 69.8676, 0.3139, 0.3495 looks on a white background.

Color Contrast Check

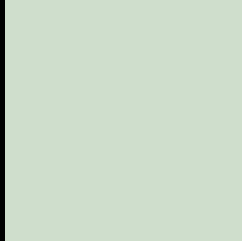
Large Text (above 18pt) WCAG AA × Fail

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 69.8676, 0.3139, 0.3495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

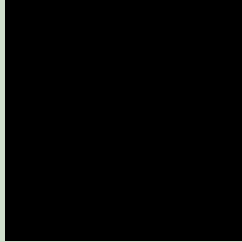
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

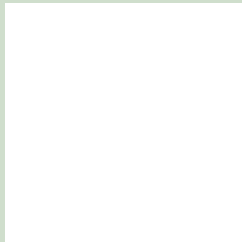
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8676, 0.3139, 0.3495

Background



This preview shows how black text looks on a background with the Yxy color 69.8676, 0.3139, 0.3495.

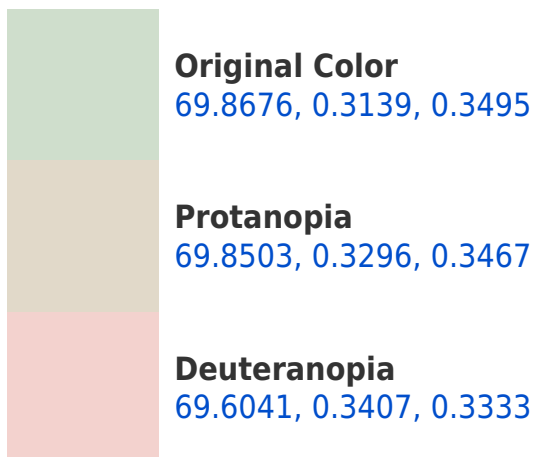


This preview shows how white text looks on a background with the Yxy color 69.8676, 0.3139, 0.3495.

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

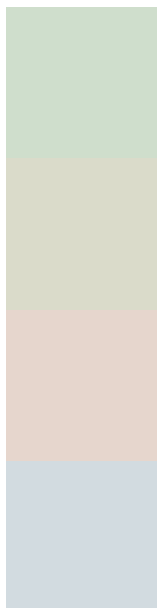




Tritanopia

69.6209, 0.2975, 0.3093

Trichromacy



Original Color

69.8676, 0.3139, 0.3495

Protanomaly

69.8327, 0.3234, 0.3480

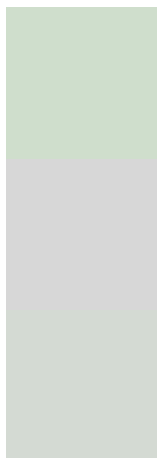
Deuteranomaly

69.3239, 0.3309, 0.3388

Tritanomaly

69.7465, 0.3031, 0.3234

Monochromacy



Original Color

69.8676, 0.3139, 0.3495

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.8430, 0.3131, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8676, 0.3139, 0.3495 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(207, 222, 204)` looks like.

```
.text, #text, p{  
    color:rgb(207, 222, 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(207, 222, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 222, 204) }
```

Border

The CSS property to change the border of an element to Yxy 69.8676, 0.3139, 0.3495 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(207, 222, 204) }
```

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

```
.border{ border-color:rgb(207, 222, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 222, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 222, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 222, 204);  
box-shadow:4px 4px 4px 4px rgb(207, 222,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8676, 0.3139, 0.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 222, 204) }
```

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

```
.background{ background-color: rgb(207,  
222, 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