

Converting Colors

Yxy(69.9759, 0.3161, 0.3660)

Have a look what the booklet for
Yxy(69.9759, 0.3161, 0.3660)
contains.

Yxy(69.9800, 0.3159, 0.3661)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.9800, 0.3159, 0.3661)

Conversions

Conversions Part 1

Format	Color
Hex	C8E1C1
RGB	200, 225, 193
RGB Percent	78%, 88%, 76%
CMY	0.2154, 0.1177, 0.2431
CMYK	0.11, 0.00, 0.14, 0.12
HSL	107°, 35%, 82%
HSV	107°, 14%, 88%
XYZ	60.3843, 69.9800, 60.7857
YIQ	213.8770, -4.6280, -15.2520

Conversions

Conversions Part 2

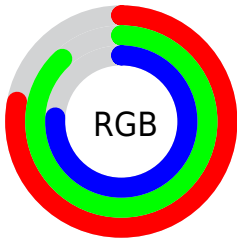
Format	Color
RYB	193, 225, 218
Decimal	13164993
CIELab	86.99, -14.08, 12.88
CIElCh	87, 19.083, 137.538
Yxy	69.9800, 0.3159, 0.3661
Android (android.graphics.Color)	4291355073 (0xFFC8E1C1)
YUV	213.8770, -10.2924, -12.1701
Hunter-Lab	83.6540, -17.5474, 15.4758

Details

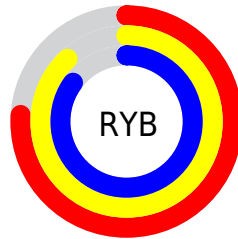
The Yxy color **69.9800, 0.3159, 0.3661** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **58.4789, 0.3089, 0.2934**, and the grayscale version is **67.2401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **36.7245, 0.3168, 0.3767** is the 20% darker color. If you saturate the color by 10%, you get **66.7749, 0.3179, 0.3957**, and if you desaturate by 10%, it is **73.6209, 0.3137, 0.3394**.

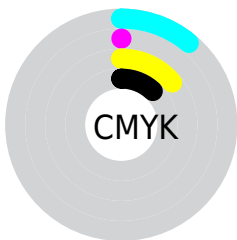
Distribution



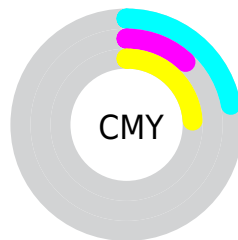
- Red (78%)
- Green (88%)
- Blue (76%)



- Red (76%)
- Yellow (88%)
- Blue (85%)



- Cyan (11%)
- Magenta (0%)
- Yellow (14%)
- Black (12%)




- Cyan (22%)
- Magenta (12%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9800, 0.3159, 0.3661 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 69.9800, 0.3159, 0.3661 by changing the saturation by 10% instead.

 69.9800, 0.3159,
0.3661

 69.9800, 0.3159,
0.3661


460.4798, 0.3146,
0.3484

 51.5102, 0.3161,
0.3703


 119.1802, 0.3155,
0.3599

 36.6148, 0.3164,
0.3755


150.6795, 0.3153,
0.3575

 24.9094, 0.3167,
0.3823


187.2907, 0.3152,
0.3554

 16.0096, 0.3170,
0.3913

229.3982, 0.3150,
0.3536

 9.5309, 0.3172,
0.4040

277.3865, 0.3149,
0.3521

 5.0891, 0.3172,
0.4230

331.6399, 0.3148,

 2.2996, 0.3161,

0.3507

0.4547

392.5429, 0.3147,
0.3495

0.7735, 0.3361,
0.6639

0.0000, 0.0000,
0.0000

69.9800, 0.3159,
0.3661

69.9800, 0.3159,
0.3661

66.7749, 0.3179,
0.3957

73.6209, 0.3137,
0.3394

63.9805, 0.3194,
0.4276

77.7039, 0.3114,
0.3156

61.5824, 0.3202,
0.4611

81.8864, 0.3125,
0.2998

59.5622, 0.3202,
0.4946

82.3237, 0.3141,
0.2999

■ 57.8999, 0.3192,
0.5262

■ 56.5734, 0.3170,
0.5537

■ 55.5583, 0.3137,
0.5749

■ 54.8259, 0.3098,
0.5888

■ 54.5117, 0.3075,
0.5940

Harmonies

Analogous

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



69.9800, 0.3384, 0.3702



69.9800, 0.3159, 0.3661



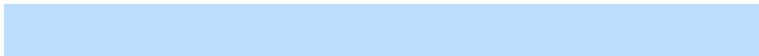
69.9800, 0.2932, 0.3508

Triad

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



69.9800, 0.3159, 0.3661



69.9800, 0.2724, 0.2947



69.9800, 0.3505, 0.3269

Complementary

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



69.9800, 0.3159, 0.3661



58.4789, 0.3089, 0.2934

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.



69.9800, 0.3317, 0.3085



69.9800, 0.3159, 0.3661



69.9800, 0.2866, 0.2901

Square

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



69.9800, 0.3159, 0.3661



69.9800, 0.2686, 0.3087



69.9800, 0.3082, 0.2952



69.9800, 0.3589, 0.3466

Rectangle

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



69.9800, 0.3159, 0.3661



69.9800, 0.2809, 0.3367



69.9800, 0.3082, 0.2952



69.9800, 0.3452, 0.3204

Sweetspot

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



69.9830, 0.3159, 0.3661



97.8834, 0.3136, 0.3389



69.7547, 0.3351, 0.3562



20.8682, 0.3138, 0.3408



0.0000, 0.0000, 0.0000



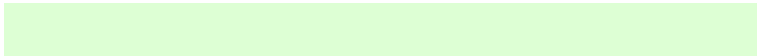
21.4041, 0.3127, 0.3290

Same Dimension

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



69.9830, 0.3159, 0.3661



91.6605, 0.3165, 0.3744



69.4259, 0.3056, 0.3564



15.4822, 0.3149, 0.3530



31.4583, 0.3083, 0.5934



2.2199, 0.3187, 0.5851

Inverse Universe

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



58.4789, 0.3089, 0.2934



73.6244, 0.3079, 0.2858



59.1346, 0.3207, 0.3031



13.7753, 0.3103, 0.3057



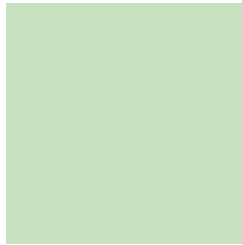
8.4644, 0.2658, 0.1238



0.6248, 0.2748, 0.1287

Previews

White Background



This preview shows how the Yxy color 69.9800, 0.3159, 0.3661 looks on a white background.

Color Contrast Check

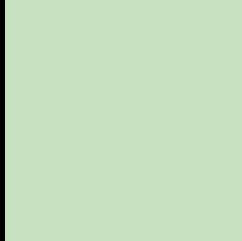
Large Text (above 18pt) WCAG AA × Fail

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 69.9800, 0.3159, 0.3661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

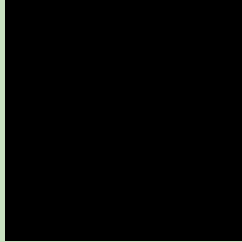
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

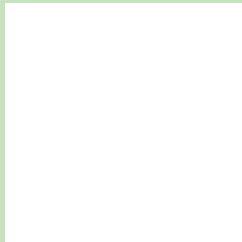
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.9800, 0.3159, 0.3661

Background



This preview shows how black text looks on a background with the Yxy color 69.9800, 0.3159, 0.3661.

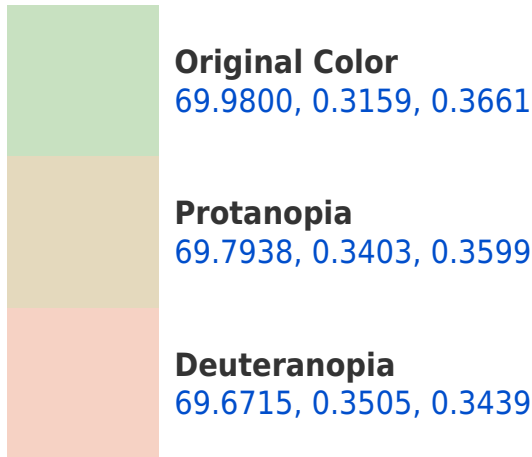


This preview shows how white text looks on a background with the Yxy color 69.9800, 0.3159, 0.3661.

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

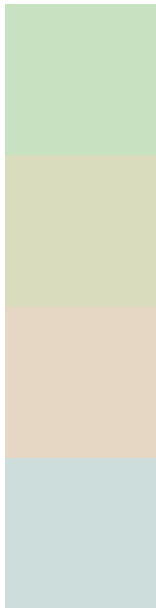




Tritanopia

69.9846, 0.2935, 0.3103

Trichromacy



Original Color

69.9800, 0.3159, 0.3661

Protanomaly

69.8095, 0.3315, 0.3628

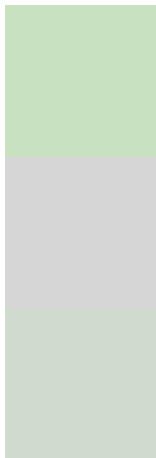
Deuteranomaly

69.1990, 0.3371, 0.3510

Tritanomaly

69.7176, 0.3015, 0.3301

Monochromacy



Original Color

69.9800, 0.3159, 0.3661

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.1543, 0.3142, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9800, 0.3159, 0.3661 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(200, 225, 193)` looks like.

```
.text, #text, p{  
    color:rgb(200, 225, 193)  
}
```

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(200, 225, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 225, 193) }
```

Border

The CSS property to change the border of an element to Yxy 69.9800, 0.3159, 0.3661 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(200, 225, 193) }
```

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

```
.border{ border-color:rgb(200, 225, 193) }
```

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

Here you see how a box with a 4 pixel rgb(200, 225, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 225, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 225, 193);  
box-shadow:4px 4px 4px 4px rgb(200, 225,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9800, 0.3159, 0.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 225, 193) }
```

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

```
.background{ background-color: rgb(200,  
225, 193) }
```

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