

Converting Colors

$Yxy(67.5009, 0.3105, 0.3874)$

Have a look what the booklet for
Yxy(67.5009, 0.3105, 0.3874)
contains.

Yxy(67.2311, 0.3100, 0.3865)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(67.2311, 0.3100, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	B3E2B3
RGB	179, 226, 179
RGB Percent	70%, 89%, 70%
CMY	0.2981, 0.1137, 0.2980
CMYK	0.21, 0.00, 0.21, 0.11
HSL	120°, 45%, 79%
HSV	120°, 21%, 89%
XYZ	53.9240, 67.2311, 52.7934
YIQ	206.5890, -12.9250, -24.5810

Conversions

Conversions Part 2

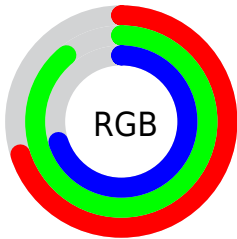
Format	Color
RYB	179, 226, 226
Decimal	11788979
CIELab	85.62, -24.10, 18.09
CIElCh	86, 30.130, 143.111
Yxy	67.2311, 0.3100, 0.3865
Android (android.graphics.Color)	4289979059 (0xFFB3E2B3)
YUV	206.5890, -13.6014, -24.1956
Hunter-Lab	81.9946, -26.0993, 19.2215

Details

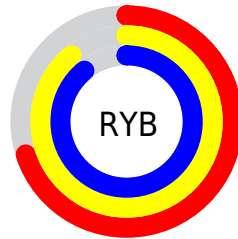
The Yxy color **67.2311, 0.3100, 0.3865** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.8975, 0.3152, 0.2775**, and the grayscale version is **62.2158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3118, 0.3490**, and **34.6158, 0.3084, 0.4014** is the 20% darker color. If you saturate the color by 10%, you get **63.9177, 0.3085, 0.4193**, and if you desaturate by 10%, it is **71.1413, 0.3114, 0.3570**.

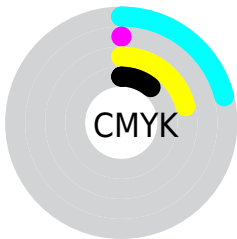
Distribution



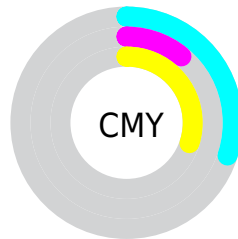
- Red (70%)
- Green (89%)
- Blue (70%)



- Red (70%)
- Yellow (89%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (21%)
- Black (11%)





- Cyan (30%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2311, 0.3100, 0.3865 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 67.2311, 0.3100, 0.3865 by changing the saturation by 10% instead.


 67.2311, 0.3100,
0.3865

 67.2311, 0.3100,
0.3865


450.7669, 0.3118,
0.3585

 49.2725, 0.3094,
0.3933

 115.2515, 0.3107,
0.3765

 34.8357, 0.3087,
0.4018

146.0820, 0.3110,
0.3727

 23.5363, 0.3075,
0.4129


181.9720, 0.3112,
0.3695

 14.9900, 0.3058,
0.4280

223.3058, 0.3114,
0.3667

 8.8124, 0.3029,
0.4495

270.4678, 0.3115,
0.3642

 4.6190, 0.2976,
0.4826

323.8423, 0.3116,

 2.0255, 0.2889,

0.3621

0.5448

383.8139, 0.3117,
0.3602

0.6222, 0.0050,
0.9950

0.0000, 0.0000,
0.0000

67.2311, 0.3100,
0.3865

67.2311, 0.3100,
0.3865

63.9177, 0.3085,
0.4193

71.1413, 0.3114,
0.3570

61.1637, 0.3068,
0.4545

75.6664, 0.3126,
0.3309

58.9408, 0.3051,
0.4905

80.8345, 0.3137,
0.3083

57.2148, 0.3035,
0.5251

82.8753, 0.3140,
0.3009

■ 55.9476, 0.3021,
0.5554

■ 55.0955, 0.3010,
0.5787

■ 54.6062, 0.3003,
0.5933

■ 54.3956, 0.3000,
0.6000

Harmonies

Analogous

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



67.2311, 0.3467, 0.3960



67.2311, 0.3100, 0.3865



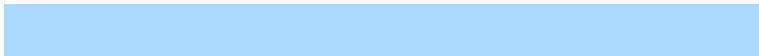
67.2311, 0.2754, 0.3582

Triad

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



67.2311, 0.3100, 0.3865



67.2311, 0.2523, 0.2722



67.2311, 0.3776, 0.3305

Complementary

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



67.2311, 0.3100, 0.3865



53.8975, 0.3152, 0.2775

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.



67.2311, 0.3494, 0.3015



67.2311, 0.3100, 0.3865



67.2311, 0.2767, 0.2687

Square

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



67.2311, 0.3100, 0.3865



67.2311, 0.2434, 0.2907



67.2311, 0.3119, 0.2795



67.2311, 0.3872, 0.3608

Rectangle

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



67.2311, 0.3100, 0.3865



67.2311, 0.2579, 0.3341



67.2311, 0.3119, 0.2795



67.2311, 0.3700, 0.3204

Sweetspot

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



67.2340, 0.3100, 0.3865



96.2668, 0.3120, 0.3441



73.8193, 0.3440, 0.3807



20.5220, 0.3119, 0.3459



0.0000, 0.0000, 0.0000



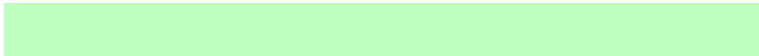
21.4041, 0.3127, 0.3290

Same Dimension

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



67.2340, 0.3100, 0.3865



86.4030, 0.3093, 0.4005



68.2664, 0.2956, 0.3571



15.3374, 0.3116, 0.3532



31.0313, 0.3000, 0.6000



2.1510, 0.3000, 0.5998

Inverse Universe

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



53.8975, 0.3152, 0.2775



65.8484, 0.3157, 0.2666



52.6957, 0.3341, 0.3025



13.9355, 0.3138, 0.3059



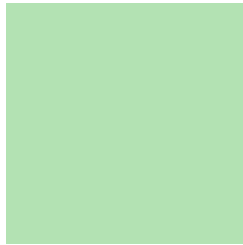
12.3529, 0.3211, 0.1542



0.8563, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 67.2311, 0.3100, 0.3865 looks on a white background.

Color Contrast Check

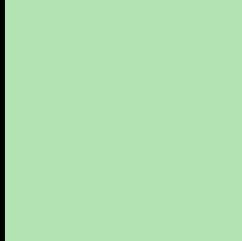
Large Text (above 18pt) WCAG AA × Fail

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 67.2311, 0.3100, 0.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

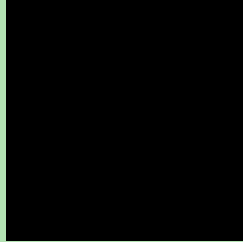
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.2311, 0.3100, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 67.2311, 0.3100, 0.3865.



This preview shows how white text looks on a background with the Yxy color 67.2311, 0.3100, 0.3865.

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

67.2311, 0.3100, 0.3865

Protanopia

66.7744, 0.3511, 0.3739

Deuteranopia

66.4940, 0.3608, 0.3526



Tritanopia

67.0178, 0.2817, 0.3084

Trichromacy



Original Color

67.2311, 0.3100, 0.3865

Protanomaly

66.7933, 0.3354, 0.3790

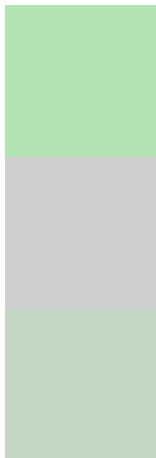
Deuteranomaly

66.3381, 0.3406, 0.3641

Tritanomaly

66.9335, 0.2918, 0.3360

Monochromacy



Original Color

67.2311, 0.3100, 0.3865

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.9947, 0.3118, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2311, 0.3100, 0.3865 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(179, 226, 179)` looks like.

```
.text, #text, p{  
    color:rgb(179, 226, 179)  
}
```

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(179, 226, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 226, 179) }
```

Border

The CSS property to change the border of an element to Yxy 67.2311, 0.3100, 0.3865 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(179, 226, 179) }
```

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

```
.border{ border-color:rgb(179, 226, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 226, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 226, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 226, 179); box-shadow:4px 4px 4px 4px rgb(179, 226, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2311, 0.3100, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 226, 179) }
```

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

```
.background{ background-color: rgb(179,  
226, 179) }
```

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