

Converting Colors

$Yxy(67.1897, 0.2996, 0.3714)$

Have a look what the booklet for
Yxy(67.1897, 0.2996, 0.3714)
contains.

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Color

Yxy(67.2683, 0.3000, 0.3717)

Conversions

Conversions Part 1

Format	Color
Hex	AFE2BF
RGB	175, 226, 191
RGB Percent	69%, 89%, 75%
CMY	0.3134, 0.1138, 0.2510
CMYK	0.23, 0.00, 0.15, 0.11
HSL	139°, 47%, 79%
HSV	139°, 23%, 89%
XYZ	54.2924, 67.2683, 59.4140
YIQ	206.7610, -19.1610, -21.6970

Conversions

Conversions Part 2

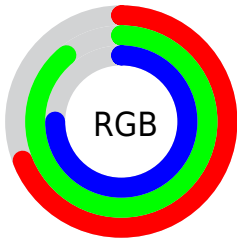
Format	Color
RYB	175, 214, 226
Decimal	11526847
CIELab	85.64, -23.24, 11.81
CIElCh	86, 26.066, 153.065
Yxy	67.2683, 0.3000, 0.3717
Android (android.graphics.Color)	4289716927 (0xFFAFE2BF)
YUV	206.7610, -7.7702, -27.8544
Hunter-Lab	82.0173, -25.3697, 14.4619

Details

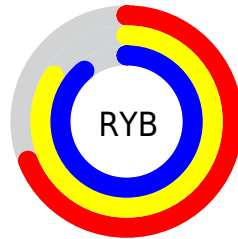
The Yxy color **67.2683, 0.3000, 0.3717** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.5133, 0.3283, 0.2898**, and the grayscale version is **62.3059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2243, 0.3026, 0.3370**, and **34.7220, 0.2965, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **64.2219, 0.2947, 0.3942**, and if you desaturate by 10%, it is **70.8305, 0.3056, 0.3514**.

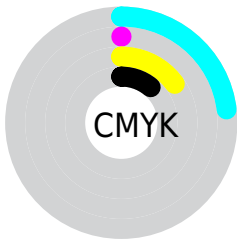
Distribution



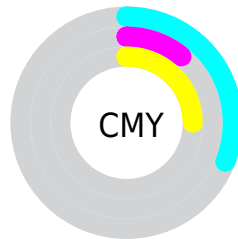
- Red (69%)
- Green (89%)
- Blue (75%)



- Red (69%)
- Yellow (84%)
- Blue (89%)



- Cyan (23%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)




- Cyan (31%)
- Magenta (11%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2683, 0.3000, 0.3717 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 67.2683, 0.3000, 0.3717 by changing the saturation by 10% instead.

 67.2683, 0.3000,
0.3717

 67.2683, 0.3000,
0.3717

450.8992, 0.3063,
0.3510

 49.3027, 0.2985,
0.3767


 115.3048, 0.3023,
0.3643

 34.8597, 0.2965,
0.3829


146.1444, 0.3031,
0.3615

 23.5548, 0.2939,
0.3911


182.0442, 0.3038,
0.3591

 15.0037, 0.2904,
0.4021

223.3886, 0.3045,
0.3571

 8.8220, 0.2853,
0.4178

270.5618, 0.3050,
0.3553

 4.6252, 0.2772,
0.4421

323.9484, 0.3055,

 2.0291, 0.2626,

0.3537

0.4839

383.9328, 0.3059,
0.3523

0.6243, 0.0401,
0.9599

0.0000, 0.0000,
0.0000

67.2683, 0.3000,
0.3717

67.2683, 0.3000,
0.3717

64.2219, 0.2947,
0.3942

70.8305, 0.3056,
0.3514

61.6589, 0.2901,
0.4187

74.9223, 0.3113,
0.3332

59.5560, 0.2864,
0.4447

79.5678, 0.3169,
0.3173

57.8848, 0.2839,
0.4713

82.7460, 0.3152,
0.3027

■ 56.6136, 0.2829,
0.4977

■ 82.8664, 0.3140,
0.3009

■ 55.7059, 0.2837,
0.5225

■ 55.1183, 0.2860,
0.5445

■ 54.8374, 0.2885,
0.5587

Harmonies

Analogous

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



67.2683, 0.3322, 0.3859



67.2683, 0.3000, 0.3717



67.2683, 0.2722, 0.3441

Triad

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



67.2683, 0.3000, 0.3717



67.2683, 0.2659, 0.2771



67.2683, 0.3735, 0.3396

Complementary

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



67.2683, 0.3000, 0.3717



51.5133, 0.3283, 0.2898

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.



67.2683, 0.3539, 0.3132



67.2683, 0.3000, 0.3717



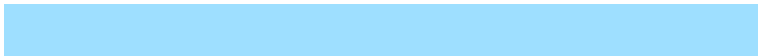
67.2683, 0.2910, 0.2782

Square

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



67.2683, 0.3000, 0.3717



67.2683, 0.2533, 0.2892



67.2683, 0.3232, 0.2912



67.2683, 0.3757, 0.3650

Rectangle

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



67.2683, 0.3000, 0.3717



67.2683, 0.2595, 0.3233



67.2683, 0.3232, 0.2912



67.2683, 0.3687, 0.3306

Sweetspot

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



67.2711, 0.3000, 0.3717



96.0054, 0.3087, 0.3412



71.2915, 0.3352, 0.3872



20.4790, 0.3084, 0.3423



0.0000, 0.0000, 0.0000



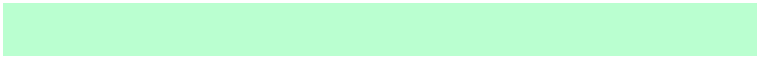
21.4041, 0.3127, 0.3290

Same Dimension

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



67.2711, 0.3000, 0.3717



86.5166, 0.2975, 0.3819



68.4572, 0.2852, 0.3410



15.4075, 0.3073, 0.3455



31.3073, 0.2877, 0.5559



2.1858, 0.2790, 0.5246

Inverse Universe

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



51.5133, 0.3283, 0.2898



62.3507, 0.3322, 0.2814



50.3708, 0.3496, 0.3174



13.8588, 0.3185, 0.3130



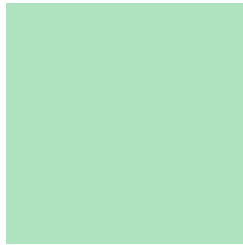
10.6025, 0.4190, 0.2082



0.7508, 0.4002, 0.1978

Previews

White Background



This preview shows how the Yxy color 67.2683, 0.3000, 0.3717 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 67.2683, 0.3000, 0.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

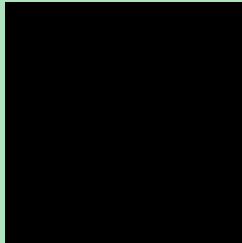
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

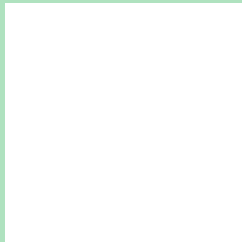
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.2683, 0.3000, 0.3717

Background



This preview shows how black text looks on a background with the Yxy color 67.2683, 0.3000, 0.3717.



This preview shows how white text looks on a background with the Yxy color 67.2683, 0.3000, 0.3717.

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**

67.2683, 0.3000, 0.3717

Protanopia

66.8965, 0.3415, 0.3616

Deuteranopia

66.7835, 0.3481, 0.3409



Tritanopia

67.4912, 0.2781, 0.3095

Trichromacy



Original Color

67.2683, 0.3000, 0.3717

Protanomaly

66.8525, 0.3249, 0.3651

Deuteranomaly

66.2353, 0.3289, 0.3506

Tritanomaly

67.2336, 0.2862, 0.3313

Monochromacy



Original Color

67.2683, 0.3000, 0.3717

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.9123, 0.3076, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2683, 0.3000, 0.3717 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(175, 226, 191)` looks like.

```
.text, #text, p{  
    color:rgb(175, 226, 191)  
}
```

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(175, 226, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 226, 191) }
```

Border

The CSS property to change the border of an element to Yxy 67.2683, 0.3000, 0.3717 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(175, 226, 191) }
```

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

```
.border{ border-color:rgb(175, 226, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 226, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 226, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 226, 191);  
box-shadow:4px 4px 4px 4px rgb(175, 226,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2683, 0.3000, 0.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 226, 191) }
```

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

```
.background{ background-color: rgb(175,  
226, 191) }
```

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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