

Converting Colors

Yxy(68.7742, 0.3299, 0.4133)

Have a look what the booklet for
Yxy(68.7742, 0.3299, 0.4133)
contains.

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Color

Yxy(68.7742, 0.3299, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	BDE49E
RGB	189, 228, 158
RGB Percent	74%, 89%, 62%
CMY	0.2589, 0.1058, 0.3804
CMYK	0.17, 0.00, 0.31, 0.11
HSL	93°, 56%, 76%
HSV	93°, 31%, 89%
XYZ	54.8962, 68.7742, 42.7322
YIQ	208.3590, -0.7740, -30.0380

Conversions

Conversions Part 2

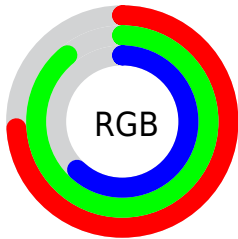
Format	Color
RYB	158, 228, 197
Decimal	12444830
CIELab	86.39, -24.95, 30.11
CIELCh	86, 39.104, 129.649
Yxy	68.7742, 0.3299, 0.4133
Android (android.graphics.Color)	4290634910 (0xFFBDE49E)
YUV	208.3590, -24.8270, -16.9778
Hunter-Lab	82.9302, -26.9686, 27.5003

Details

The Yxy color **68.7742, 0.3299, 0.4133** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.9358, 0.2896, 0.2465**, and the grayscale version is **63.4850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9169, 0.3316, 0.3709**, and **35.6966, 0.3330, 0.4347** is the 20% darker color. If you saturate the color by 10%, you get **66.5081, 0.3344, 0.4440**, and if you desaturate by 10%, it is **71.3345, 0.3246, 0.3838**.

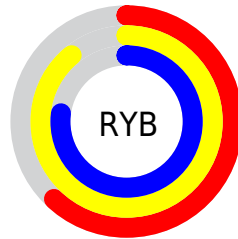
Distribution



Red (74%)

Green (89%)

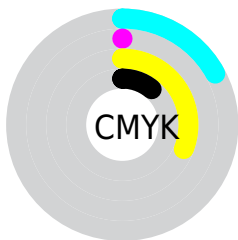
Blue (62%)



Red (62%)

Yellow (89%)

Blue (77%)

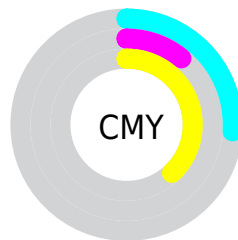


Cyan (17%)

Magenta (0%)

Yellow (31%)

Black (11%)



Cyan (26%)


Magenta (11%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7742, 0.3299, 0.4133 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 68.7742, 0.3299, 0.4133 by changing the saturation by 10% instead.


 68.7742, 0.3299,
0.4133

 68.7742, 0.3299,
0.4133


456.2342, 0.3229,
0.3723

 50.5278, 0.3312,
0.4231


 117.4590, 0.3277,
0.3987

 35.8330, 0.3326,
0.4354


 148.6662, 0.3268,
0.3932

 24.3052, 0.3341,
0.4513


184.9626, 0.3260,
0.3884

 15.5602, 0.3354,
0.4725

226.7324, 0.3252,
0.3843

 9.2135, 0.3359,
0.5021

274.3600, 0.3246,
0.3808

 4.8807, 0.3337,
0.5455

328.2300, 0.3240,

 2.1774, 0.3449,

0.3776

0.6551

388.7265, 0.3234,
0.3748

0.7076, 0.0823,
0.9177

0.0000, 0.0000,
0.0000

68.7742, 0.3299,
0.4133

68.7742, 0.3299,
0.4133

66.5081, 0.3344,
0.4440

71.3345, 0.3246,
0.3838

64.5156, 0.3378,
0.4747

74.1911, 0.3189,
0.3561


62.7870, 0.3396,
0.5040


77.3572, 0.3131,
0.3307


61.3084, 0.3395,
0.5303


80.8426, 0.3074,
0.3077

 60.0644, 0.3374,
0.5520

 83.5118, 0.3123,
0.3028

 59.0371, 0.3333,
0.5678

 83.9731, 0.3139,
0.3029

 58.2512, 0.3282,
0.5776

Harmonies

Analogous

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



68.7742, 0.3742, 0.4117



68.7742, 0.3299, 0.4133



68.7742, 0.2830, 0.3863

Triad

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



68.7742, 0.3299, 0.4133



68.7742, 0.2287, 0.2643



68.7742, 0.3826, 0.3131

Complementary

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



68.7742, 0.3299, 0.4133



41.9358, 0.2896, 0.2465

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.



68.7742, 0.3385, 0.2803



68.7742, 0.3299, 0.4133



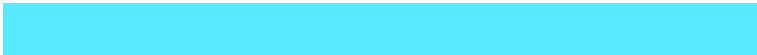
68.7742, 0.2507, 0.2524

Square

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



68.7742, 0.3299, 0.4133



68.7742, 0.2270, 0.2952



68.7742, 0.2899, 0.2586



68.7742, 0.4068, 0.3511

Rectangle

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



68.7742, 0.3299, 0.4133



68.7742, 0.2566, 0.3566



68.7742, 0.2899, 0.2586



68.7742, 0.3694, 0.3013

Sweetspot

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



68.7772, 0.3299, 0.4133



96.2618, 0.3180, 0.3518



58.6753, 0.3688, 0.3730



20.4813, 0.3188, 0.3556



0.0000, 0.0000, 0.0000



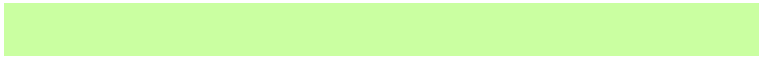
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7772, 0.3299, 0.4133



86.6906, 0.3330, 0.4333



65.3544, 0.3064, 0.4144



16.3995, 0.3182, 0.3528



33.7003, 0.3293, 0.5767



2.5446, 0.3407, 0.5677

Inverse Universe

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



41.9358, 0.2896, 0.2465



46.7740, 0.2833, 0.2275



46.3622, 0.3192, 0.2563



14.2815, 0.3067, 0.3053



5.9182, 0.2143, 0.0954



0.4922, 0.2292, 0.1036

Previews

White Background



This preview shows how the Yxy color 68.7742, 0.3299, 0.4133 looks on a white background.

Color Contrast Check

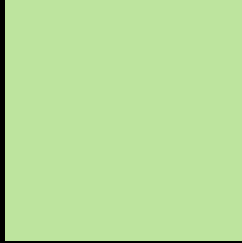
Large Text (above 18pt) WCAG AA × Fail

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 68.7742, 0.3299, 0.4133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

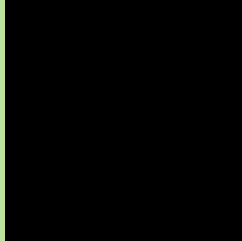
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7742, 0.3299, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 68.7742, 0.3299, 0.4133.



This preview shows how white text looks on a background with the Yxy color 68.7742, 0.3299, 0.4133.

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

68.7742, 0.3299, 0.4133

Protanopia

68.2244, 0.3705, 0.3970

Deuteranopia

68.3408, 0.3829, 0.3749



Tritanopia

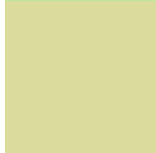
68.5585, 0.2901, 0.3100

Trichromacy



Original Color

68.7742, 0.3299, 0.4133



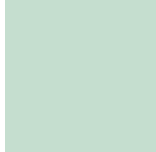
Protanomaly

68.3047, 0.3548, 0.4031



Deuteranomaly

67.9971, 0.3624, 0.3889



Tritanomaly

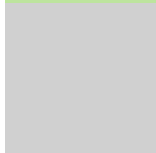
68.6179, 0.3049, 0.3463

Monochromacy



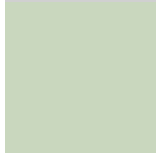
Original Color

68.7742, 0.3299, 0.4133



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

64.7361, 0.3194, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7742, 0.3299, 0.4133 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(189, 228, 158)` looks like.

```
.text, #text, p{  
    color:rgb(189, 228, 158)  
}
```

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(189, 228, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 228, 158) }
```

Border

The CSS property to change the border of an element to Yxy 68.7742, 0.3299, 0.4133 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(189, 228, 158) }
```

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

```
.border{ border-color:rgb(189, 228, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 228, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 228, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 228, 158);  
box-shadow:4px 4px 4px 4px rgb(189, 228,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7742, 0.3299, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 228, 158) }
```

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

```
.background{ background-color: rgb(189,  
228, 158) }
```

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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