

Converting Colors

$Yxy(65.6576, 0.3414, 0.4337)$

Have a look what the booklet for
Yxy(65.6576, 0.3414, 0.4337)
contains.

Yxy(65.7111, 0.3416, 0.4339)	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(65.7111, 0.3416, 0.4339)

Conversions

Conversions Part 1

Format	Color
Hex	BBE08A
RGB	187, 224, 138
RGB Percent	73%, 88%, 54%
CMY	0.2667, 0.1215, 0.4588
CMYK	0.17, 0.00, 0.38, 0.12
HSL	86°, 58%, 71%
HSV	86°, 38%, 88%
XYZ	51.7329, 65.7111, 33.9989
YIQ	203.1330, 5.5540, -34.5900

Conversions

Conversions Part 2

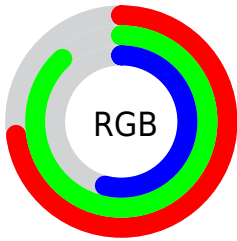
Format	Color
RYB	138, 224, 175
Decimal	12312714
CIELab	84.85, -26.46, 38.19
CIELCh	85, 46.460, 124.710
Yxy	65.7111, 0.3416, 0.4339
Android (android.graphics.Color)	4290502794 (0xFFBBE08A)
YUV	203.1330, -32.1106, -14.1486
Hunter-Lab	81.0624, -27.9429, 31.8764

Details

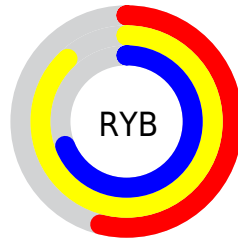
The Yxy color **65.7111, 0.3416, 0.4339** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **32.6746, 0.2725, 0.2213**, and the grayscale version is **60.0111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5589, 0.3428, 0.3925**, and **33.9696, 0.3453, 0.4614** is the 20% darker color. If you saturate the color by 10%, you get **63.9551, 0.3474, 0.4629**, and if you desaturate by 10%, it is **67.6884, 0.3347, 0.4048**.

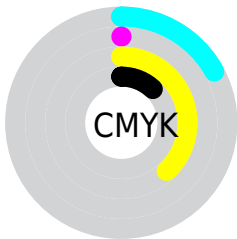
Distribution



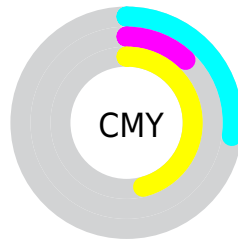
- Red (73%)
- Green (88%)
- Blue (54%)



- Red (54%)
- Yellow (88%)
- Blue (69%)



- Cyan (17%)
- Magenta (0%)
- Yellow (38%)
- Black (12%)





- Cyan (27%)
- Magenta (12%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7111, 0.3416, 0.4339 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 65.7111, 0.3416, 0.4339 by changing the saturation by 10% instead.

 65.7111, 0.3416,
0.4339

 65.7111, 0.3416,
0.4339

445.3430, 0.3297,
0.3826


 48.0379, 0.3438,
0.4462


 113.0716, 0.3379,
0.4156

 33.8569, 0.3462,
0.4615


 143.5277, 0.3363,
0.4087

 22.7837, 0.3486,
0.4813

 179.0135, 0.3349,
0.4027

 14.4339, 0.3505,
0.5074

219.9135, 0.3336,
0.3976

 8.4230, 0.3508,
0.5429

266.6121, 0.3325,
0.3931

 4.3668, 0.3518,
0.6033

319.4936, 0.3315,

 1.8808, 0.3282,

0.3892

0.6718

378.9424, 0.3305,
0.3857

0.5368, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.7111, 0.3416,
0.4339

65.7111, 0.3416,
0.4339

63.9551, 0.3474,
0.4629

67.6884, 0.3347,
0.4048

62.4018, 0.3516,
0.4905


69.8873, 0.3272,
0.3766


61.0433, 0.3538,
0.5154

72.3195, 0.3193,
0.3499

59.8674, 0.3536,
0.5361


74.9927, 0.3115,
0.3252

 58.8600, 0.3511,
0.5518

 77.9147, 0.3038,
0.3026

 58.0012, 0.3465,
0.5622

 79.9206, 0.3072,
0.2983

 57.8731, 0.3457,
0.5637

 81.6990, 0.3138,
0.2989

 81.7966, 0.3141,
0.2990

Harmonies

Analogous

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



65.7111, 0.3929, 0.4245



65.7111, 0.3416, 0.4339



65.7111, 0.2851, 0.4069

Triad

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



65.7111, 0.3416, 0.4339



65.7111, 0.2113, 0.2557



65.7111, 0.3895, 0.3024

Complementary

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



65.7111, 0.3416, 0.4339



32.6746, 0.2725, 0.2213

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.



65.7111, 0.3334, 0.2660



65.7111, 0.3416, 0.4339



65.7111, 0.2331, 0.2389

Square

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



65.7111, 0.3416, 0.4339



65.7111, 0.2130, 0.2953



65.7111, 0.2761, 0.2433



65.7111, 0.4238, 0.3463

Rectangle

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



65.7111, 0.3416, 0.4339



65.7111, 0.2522, 0.3720



65.7111, 0.2761, 0.2433



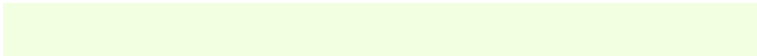
65.7111, 0.3722, 0.2891

Sweetspot

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



65.7140, 0.3416, 0.4339



95.7702, 0.3222, 0.3595



47.8920, 0.3911, 0.3714



20.4063, 0.3233, 0.3630



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.



65.7140, 0.3416, 0.4339



86.2551, 0.3463, 0.4570



61.1860, 0.3119, 0.4443



15.7205, 0.3201, 0.3526



33.7522, 0.3468, 0.5629



2.3921, 0.3576, 0.5543

Inverse Universe

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



32.6746, 0.2725, 0.2213



36.0272, 0.2617, 0.1969



38.2855, 0.3105, 0.2326



13.5303, 0.3048, 0.3052



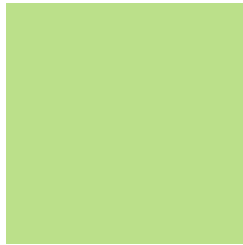
4.6586, 0.1899, 0.0820



0.3750, 0.2072, 0.0915

Previews

White Background



This preview shows how the Yxy color 65.7111, 0.3416, 0.4339 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 65.7111, 0.3416, 0.4339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

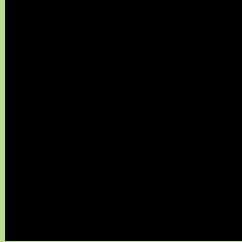
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7111, 0.3416, 0.4339

Background



This preview shows how black text looks on a background with the Yxy color 65.7111, 0.3416, 0.4339.

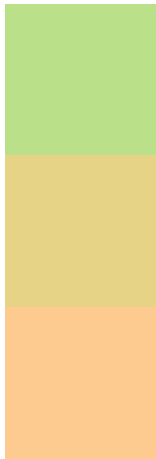


This preview shows how white text looks on a background with the Yxy color 65.7111, 0.3416, 0.4339.

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

65.7111, 0.3416, 0.4339

Protanopia

65.1050, 0.3836, 0.4151

Deuteranopia

65.1069, 0.3993, 0.3905



Tritanopia

65.5810, 0.2923, 0.3097

Trichromacy



Original Color

65.7111, 0.3416, 0.4339

Protanomaly

65.1571, 0.3671, 0.4222

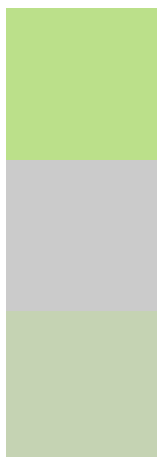
Deuteranomaly

64.6743, 0.3776, 0.4059

Tritanomaly

65.2590, 0.3102, 0.3527

Monochromacy



Original Color

65.7111, 0.3416, 0.4339

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.7135, 0.3244, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7111, 0.3416, 0.4339 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(187, 224, 138)` looks like.

```
.text, #text, p{  
    color:rgb(187, 224, 138)  
}
```

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(187, 224, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 224, 138) }
```

Border

The CSS property to change the border of an element to Yxy 65.7111, 0.3416, 0.4339 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(187, 224, 138) }
```

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

```
.border{ border-color:rgb(187, 224, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 224, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 224, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 224, 138); box-shadow:4px 4px 4px 4px rgb(187, 224, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7111, 0.3416, 0.4339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 224, 138) }
```

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

```
.background{ background-color: rgb(187,  
224, 138) }
```

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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