

Converting Colors

Yxy(62.5662, 0.3495, 0.4368)

Have a look what the booklet for
Yxy(62.5662, 0.3495, 0.4368)
contains.

Yxy(62.5733, 0.3497, 0.4369)	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(62.5733, 0.3497, 0.4369)

Conversions

Conversions Part 1

Format	Color
Hex	BDDA82
RGB	189, 218, 130
RGB Percent	74%, 85%, 51%
CMY	0.2589, 0.1451, 0.4901
CMYK	0.13, 0.00, 0.40, 0.15
HSL	80°, 54%, 68%
HSV	80°, 40%, 85%
XYZ	50.0844, 62.5733, 30.5634
YIQ	199.2970, 10.9640, -33.5160

Conversions

Conversions Part 2

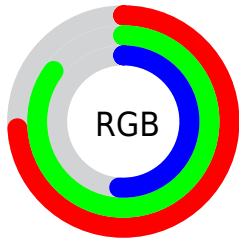
Format	Color
RYB	130, 218, 159
Decimal	12442242
CIELab	83.22, -23.81, 40.11
CIELCh	83, 46.646, 120.689
Yxy	62.5733, 0.3497, 0.4369
Android (android.graphics.Color)	4290632322 (0xFFBDDA82)
YUV	199.2970, -34.1634, -9.0305
Hunter-Lab	79.1033, -25.4131, 32.4642

Details

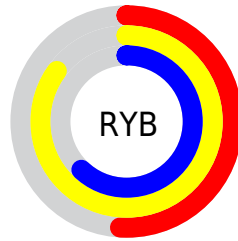
The Yxy color **62.5733, 0.3497, 0.4369** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.4088, 0.2621, 0.2131**, and the grayscale version is **57.5134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5735, 0.3489, 0.4003**, and **31.8272, 0.3557, 0.4651** is the 20% darker color. If you saturate the color by 10%, you get **61.1542, 0.3570, 0.4641**, and if you desaturate by 10%, it is **64.1676, 0.3412, 0.4090**.

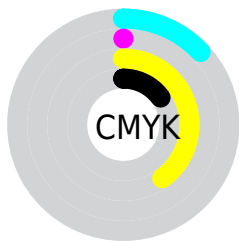
Distribution



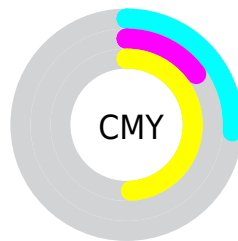
- Red (74%)
- Green (85%)
- Blue (51%)



- Red (51%)
- Yellow (85%)
- Blue (62%)



- Cyan (13%)
- Magenta (0%)
- Yellow (40%)
- Black (15%)





- Cyan (26%)
- Magenta (15%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.5733, 0.3497, 0.4369 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 62.5733, 0.3497, 0.4369 by changing the saturation by 10% instead.

 62.5733, 0.3497,
0.4369

 62.5733, 0.3497,
0.4369

434.0192, 0.3339,
0.3840

 45.4961, 0.3527,
0.4495


 108.5537, 0.3446,
0.4180

 31.8484, 0.3561,
0.4654


 138.2257, 0.3425,
0.4109

 21.2457, 0.3597,
0.4856


 172.8647, 0.3407,
0.4047

 13.3037, 0.3629,
0.5122

212.8551, 0.3390,
0.3994

 7.6380, 0.3645,
0.5480

258.5814, 0.3375,
0.3948

 3.8642, 0.3761,
0.6239


310.4279, 0.3362,

 1.5979, 0.3363,


0.3908


0.6637


368.7791, 0.3350,
0.3872


 0.3562, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 62.5733, 0.3497,
0.4369

 62.5733, 0.3497,
0.4369

 61.1542, 0.3570,
0.4641


 64.1676, 0.3412,
0.4090


 59.8935, 0.3625,
0.4895


 65.9365, 0.3320,
0.3814


 58.7843, 0.3659,
0.5116


 67.8903, 0.3225,
0.3548

 57.8160, 0.3668,
0.5296

 70.0356, 0.3131,
0.3299

 56.9759, 0.3652,
0.5426


 72.3790, 0.3038,
0.3068

 56.2665, 0.3618,
0.5510

 74.5456, 0.2987,
0.2912

 75.7749, 0.3036,
0.2918

 77.0540, 0.3085,
0.2924

 78.3836, 0.3135,
0.2929

Harmonies

Analogous

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



62.5733, 0.4002, 0.4227



62.5733, 0.3497, 0.4369



62.5733, 0.2919, 0.4145

Triad

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



62.5733, 0.3497, 0.4369



62.5733, 0.2083, 0.2583



62.5733, 0.3842, 0.2963

Complementary

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



62.5733, 0.3497, 0.4369



28.4088, 0.2621, 0.2131

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.



62.5733, 0.3256, 0.2608



62.5733, 0.3497, 0.4369



62.5733, 0.2273, 0.2382

Square

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



62.5733, 0.3497, 0.4369



62.5733, 0.2132, 0.3015



62.5733, 0.2684, 0.2400



62.5733, 0.4233, 0.3403

Rectangle

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



62.5733, 0.3497, 0.4369



62.5733, 0.2572, 0.3808



62.5733, 0.2684, 0.2400



62.5733, 0.3658, 0.2832

Sweetspot

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



62.5761, 0.3497, 0.4369



96.3190, 0.3242, 0.3594



40.9329, 0.4005, 0.3631



20.5357, 0.3254, 0.3628



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.



62.5761, 0.3497, 0.4369



87.5921, 0.3557, 0.4590



57.8845, 0.3177, 0.4487



15.0375, 0.3216, 0.3525



33.7672, 0.3626, 0.5503



2.2337, 0.3720, 0.5428

Inverse Universe

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



28.4088, 0.2621, 0.2131



32.7676, 0.2492, 0.1872



33.5725, 0.3018, 0.2253



12.8248, 0.3032, 0.3052



3.9085, 0.1745, 0.0735



0.2992, 0.1926, 0.0835

Previews

White Background



This preview shows how the Yxy color 62.5733, 0.3497, 0.4369 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 62.5733, 0.3497, 0.4369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

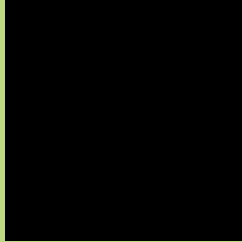
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.5733, 0.3497, 0.4369

Background



This preview shows how black text looks on a background with the Yxy color 62.5733, 0.3497, 0.4369.



This preview shows how white text looks on a background with the Yxy color 62.5733, 0.3497, 0.4369.

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

62.5733, 0.3497, 0.4369

Protanopia

62.3008, 0.3869, 0.4196

Deuteranopia

62.2772, 0.4040, 0.3954



Tritanopia

62.3709, 0.2974, 0.3106

Trichromacy



Original Color

62.5733, 0.3497, 0.4369

Protanomaly

62.2670, 0.3736, 0.4263

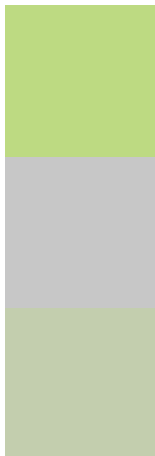
Deuteranomaly

61.6870, 0.3837, 0.4099

Tritanomaly

62.1330, 0.3174, 0.3554

Monochromacy



Original Color

62.5733, 0.3497, 0.4369

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

58.8007, 0.3271, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5733, 0.3497, 0.4369 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, 218, 130)` looks like.

```
.text, #text, p{  
    color:rgb(189, 218, 130)  
}
```

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, 218, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 218, 130) }
```

Border

The CSS property to change the border of an element to Yxy 62.5733, 0.3497, 0.4369 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, 218, 130) }
```

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

```
.border{ border-color:rgb(189, 218, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 218, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 218, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 218, 130);  
box-shadow:4px 4px 4px 4px rgb(189, 218,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5733, 0.3497, 0.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 218, 130) }
```

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

```
.background{ background-color: rgb(189,  
218, 130) }
```

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