

Converting Colors

$Yxy(60.3751, 0.3514, 0.4365)$

Have a look what the booklet for
Yxy(60.3751, 0.3514, 0.4365)
contains.

Yxy(60.3168, 0.3521, 0.4368)	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(60.3168, 0.3521, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	BCD67F
RGB	188, 214, 127
RGB Percent	74%, 84%, 50%
CMY	0.2626, 0.1608, 0.5020
CMYK	0.12, 0.00, 0.41, 0.16
HSL	78°, 51%, 67%
HSV	78°, 41%, 84%
XYZ	48.6208, 60.3168, 29.1504
YIQ	196.3080, 12.4310, -32.5690

Conversions

Conversions Part 2

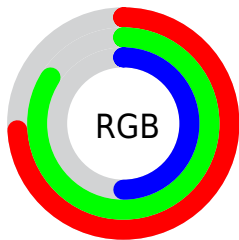
Format	Color
RYB	127, 214, 153
Decimal	12375679
CIELab	82.01, -22.58, 40.08
CIElCh	82, 46.002, 119.390
Yxy	60.3168, 0.3521, 0.4368
Android (android.graphics.Color)	4290565759 (0xFFBCD67F)
YUV	196.3080, -34.1688, -7.2861
Hunter-Lab	77.6639, -24.1636, 32.1108

Details

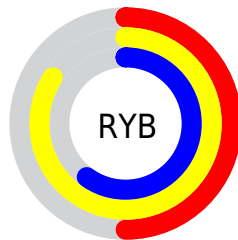
The Yxy color **60.3168, 0.3521, 0.4368** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.7954, 0.2593, 0.2115**, and the grayscale version is **55.6033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2687, 0.3499, 0.4035**, and **30.3046, 0.3589, 0.4653** is the 20% darker color. If you saturate the color by 10%, you get **59.0262, 0.3599, 0.4635**, and if you desaturate by 10%, it is **61.7671, 0.3431, 0.4093**.

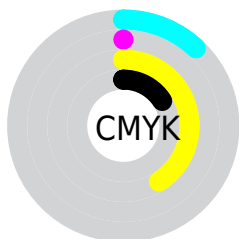
Distribution



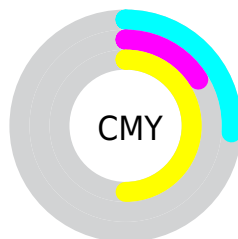
- Red (74%)
- Green (84%)
- Blue (50%)



- Red (50%)
- Yellow (84%)
- Blue (60%)



- Cyan (12%)
- Magenta (0%)
- Yellow (41%)
- Black (16%)





- Cyan (26%)
- Magenta (16%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.3168, 0.3521, 0.4368 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 60.3168, 0.3521, 0.4368 by changing the saturation by 10% instead.


 60.3168, 0.3521,
0.4368

 60.3168, 0.3521,
0.4368


425.7645, 0.3351,
0.3837

 43.6740, 0.3554,
0.4495


 105.2891, 0.3466,
0.4178

 30.4143, 0.3592,
0.4655


 134.3874, 0.3443,
0.4106

 20.1533, 0.3632,
0.4860


 168.4064, 0.3423,
0.4045

 12.5065, 0.3670,
0.5129

207.7303, 0.3405,
0.3992

 7.0896, 0.3690,
0.5490

252.7438, 0.3389,
0.3945

 3.5182, 0.3786,
0.6214

303.8310, 0.3375,

 1.4079, 0.3361,

0.3905

0.6639

361.3764, 0.3362,
0.3869

0.2225, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

60.3168, 0.3521,
0.4368

60.3168, 0.3521,
0.4368

59.0262, 0.3599,
0.4635

61.7671, 0.3431,
0.4093

57.8793, 0.3659,
0.4881


63.3765, 0.3334,
0.3819

56.8698, 0.3698,
0.5095


65.1545, 0.3233,
0.3555


55.9877, 0.3711,
0.5267


67.1074, 0.3134,
0.3306


 55.2209, 0.3700,
0.5390


 69.2412, 0.3037,
0.3074

 54.5896, 0.3671,
0.5467

 71.5373, 0.2947,
0.2866

 72.5911, 0.2991,
0.2871

 73.6838, 0.3035,
0.2877

 74.8158, 0.3079,
0.2882

Harmonies

Analogous

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



60.3168, 0.4018, 0.4213



60.3168, 0.3521, 0.4368



60.3168, 0.2944, 0.4161

Triad

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



60.3168, 0.3521, 0.4368



60.3168, 0.2081, 0.2598



60.3168, 0.3818, 0.2946

Complementary

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



60.3168, 0.3521, 0.4368



26.7954, 0.2593, 0.2115

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.



60.3168, 0.3229, 0.2597



60.3168, 0.3521, 0.4368



60.3168, 0.2261, 0.2387

Square

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



60.3168, 0.3521, 0.4368



60.3168, 0.2142, 0.3039



60.3168, 0.2663, 0.2396



60.3168, 0.4221, 0.3383

Rectangle

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



60.3168, 0.3521, 0.4368



60.3168, 0.2593, 0.3831



60.3168, 0.2663, 0.2396



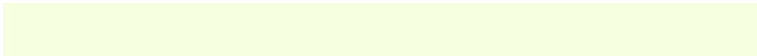
60.3168, 0.3632, 0.2817

Sweetspot

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



60.3195, 0.3521, 0.4368



96.4926, 0.3248, 0.3593



38.1657, 0.4028, 0.3598



20.5766, 0.3261, 0.3627



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.



60.3195, 0.3521, 0.4368



87.9943, 0.3590, 0.4604



55.7199, 0.3198, 0.4488



14.3253, 0.3221, 0.3524



33.0527, 0.3678, 0.5461



2.0356, 0.3770, 0.5388

Inverse Universe

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



26.7954, 0.2593, 0.2115



31.4508, 0.2445, 0.1829



31.6496, 0.2989, 0.2238



12.1865, 0.3027, 0.3052



3.6379, 0.1705, 0.0713



0.2621, 0.1894, 0.0817

Previews

White Background



This preview shows how the Yxy color 60.3168, 0.3521, 0.4368 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 60.3168, 0.3521, 0.4368 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 60.3168, 0.3521, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 60.3168, 0.3521, 0.4368.



This preview shows how white text looks on a background with the Yxy color 60.3168, 0.3521, 0.4368.

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

60.3168, 0.3521, 0.4368

Protanopia

60.3038, 0.3879, 0.4207

Deuteranopia

60.0814, 0.4052, 0.3974



Tritanopia

60.1057, 0.2993, 0.3104

Trichromacy



Original Color

60.3168, 0.3521, 0.4368

Protanomaly

60.2686, 0.3744, 0.4276

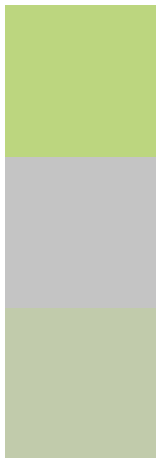
Deuteranomaly

59.7001, 0.3847, 0.4109

Tritanomaly

59.9066, 0.3191, 0.3544

Monochromacy



Original Color

60.3168, 0.3521, 0.4368

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

56.9896, 0.3281, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3168, 0.3521, 0.4368 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(188, 214, 127)` looks like.

```
.text, #text, p{  
    color:rgb(188, 214, 127)  
}
```

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(188, 214, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 214, 127) }
```

Border

The CSS property to change the border of an element to Yxy 60.3168, 0.3521, 0.4368 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(188, 214, 127) }
```

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

```
.border{ border-color:rgb(188, 214, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 214, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 214, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 214, 127);  
box-shadow:4px 4px 4px 4px rgb(188, 214,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3168, 0.3521, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 214, 127) }
```

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

```
.background{ background-color: rgb(188,  
214, 127) }
```

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