

Converting Colors

Yxy(67.2626, 0.3415, 0.4517)

Have a look what the booklet for
Yxy(67.2626, 0.3415, 0.4517)
contains.

Yxy(67.4209, 0.3418, 0.4521)	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(67.4209, 0.3418, 0.4521)

Conversions

Conversions Part 1

Format	Color
Hex	B5E580
RGB	181, 229, 128
RGB Percent	71%, 90%, 50%
CMY	0.2901, 0.1019, 0.4982
CMYK	0.21, 0.00, 0.44, 0.10
HSL	88°, 66%, 70%
HSV	88°, 44%, 90%
XYZ	50.9720, 67.4209, 30.7353
YIQ	203.1340, 3.8130, -41.5870

Conversions

Conversions Part 2

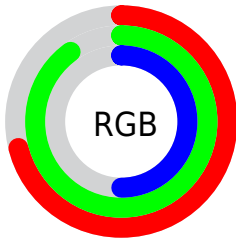
Format	Color
RYB	128, 229, 176
Decimal	11920768
CIELab	85.72, -32.21, 44.18
CIElCh	86, 54.669, 126.093
Yxy	67.4209, 0.3418, 0.4521
Android (android.graphics.Color)	4290110848 (0xFFB5E580)
YUV	203.1340, -37.0411, -19.4115
Hunter-Lab	82.1102, -32.8844, 35.2838

Details

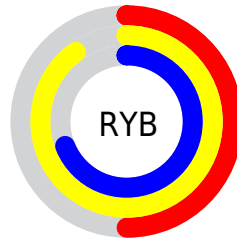
The Yxy color **67.4209, 0.3418, 0.4521** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **30.3106, 0.2687, 0.2049**, and the grayscale version is **60.0460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0745, 0.3446, 0.4037**, and **34.8446, 0.3454, 0.4843** is the 20% darker color. If you saturate the color by 10%, you get **65.6234, 0.3460, 0.4812**, and if you desaturate by 10%, it is **69.4630, 0.3362, 0.4223**.

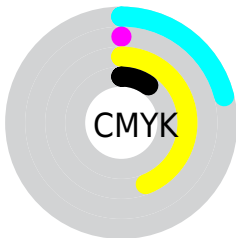
Distribution



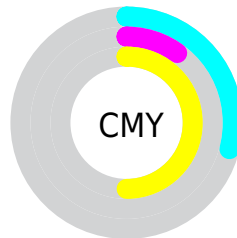
- Red (71%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (69%)



- Cyan (21%)
- Magenta (0%)
- Yellow (44%)
- Black (10%)




- Cyan (29%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4209, 0.3418, 0.4521 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 67.4209, 0.3418, 0.4521 by changing the saturation by 10% instead.


 67.4209, 0.3418,
0.4521

 67.4209, 0.3418,
0.4521


451.4415, 0.3306,
0.3919

 49.4268, 0.3435,
0.4664

 115.5233, 0.3385,
0.4307

 34.9581, 0.3452,
0.4842


 146.4004, 0.3371,
0.4225

 23.6306, 0.3464,
0.5070


 182.3405, 0.3357,
0.4155

 15.0598, 0.3464,
0.5367

223.7282, 0.3345,
0.4095

 8.8614, 0.3430,
0.5764

270.9477, 0.3334,
0.4043

 4.6509, 0.3440,
0.6544

324.3835, 0.3324,

 2.0439, 0.2980,

0.3996

0.7020

384.4200, 0.3315,
0.3955

0.6328, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.4209, 0.3418,
0.4521

67.4209, 0.3418,
0.4521

65.6234, 0.3460,
0.4812

69.4630, 0.3362,
0.4223

64.0502, 0.3484,
0.5083


71.7515, 0.3298,
0.3930

62.6911, 0.3486,
0.5317


74.2993, 0.3228,
0.3651


61.5318, 0.3465,
0.5503


77.1157, 0.3157,
0.3391

 60.5549, 0.3423,
0.5633

 80.2094, 0.3086,
0.3152

 60.0510, 0.3392,
0.5689

 82.9032, 0.3080,
0.3034

 84.5208, 0.3139,
0.3039

Harmonies

Analogous

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



67.4209, 0.4021, 0.4403



67.4209, 0.3418, 0.4521



67.4209, 0.2769, 0.4189

Triad

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



67.4209, 0.3418, 0.4521



67.4209, 0.1973, 0.2425



67.4209, 0.4048, 0.2999

Complementary

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



67.4209, 0.3418, 0.4521



30.3106, 0.2687, 0.2049

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.



67.4209, 0.3395, 0.2584



67.4209, 0.3418, 0.4521



67.4209, 0.2229, 0.2254

Square

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



67.4209, 0.3418, 0.4521



67.4209, 0.1977, 0.2860



67.4209, 0.2727, 0.2319



67.4209, 0.4432, 0.3496

Rectangle

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



67.4209, 0.3418, 0.4521



67.4209, 0.2400, 0.3761



67.4209, 0.2727, 0.2319



67.4209, 0.3848, 0.2848

Sweetspot

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



67.4239, 0.3418, 0.4521



95.1811, 0.3221, 0.3623



48.9211, 0.4040, 0.3833



20.2102, 0.3236, 0.3683



0.0000, 0.0000, 0.0000



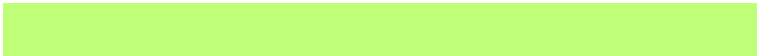
21.4041, 0.3127, 0.3290

Same Dimension

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



67.4239, 0.3418, 0.4521



83.9242, 0.3457, 0.4789



62.4501, 0.3083, 0.4658



16.4596, 0.3195, 0.3527



34.4051, 0.3402, 0.5680



2.5976, 0.3511, 0.5595

Inverse Universe

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



30.3106, 0.2687, 0.2049



30.8121, 0.2566, 0.1775



37.1960, 0.3146, 0.2203



14.2211, 0.3054, 0.3052



5.1554, 0.1978, 0.0863



0.4359, 0.2139, 0.0952

Previews

White Background



This preview shows how the Yxy color 67.4209, 0.3418, 0.4521 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 67.4209, 0.3418, 0.4521 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 67.4209, 0.3418, 0.4521

Background



This preview shows how black text looks on a background with the Yxy color 67.4209, 0.3418, 0.4521.



This preview shows how white text looks on a background with the Yxy color 67.4209, 0.3418, 0.4521.

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

67.4209, 0.3418, 0.4521

Protanopia

66.9907, 0.3927, 0.4278

Deuteranopia

66.8756, 0.4003, 0.3940



Tritanopia

67.3020, 0.2873, 0.3098

Trichromacy



Original Color

67.4209, 0.3418, 0.4521

Protanomaly

66.5653, 0.3738, 0.4366

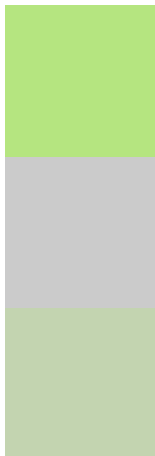
Deuteranomaly

66.3933, 0.3779, 0.4143

Tritanomaly

66.7294, 0.3085, 0.3599

Monochromacy



Original Color

67.4209, 0.3418, 0.4521

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.8237, 0.3249, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4209, 0.3418, 0.4521 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(181, 229, 128)` looks like.

```
.text, #text, p{  
    color:rgb(181, 229, 128)  
}
```

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(181, 229, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 229, 128) }
```

Border

The CSS property to change the border of an element to Yxy 67.4209, 0.3418, 0.4521 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(181, 229, 128) }
```

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

```
.border{ border-color:rgb(181, 229, 128) }
```

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

Here you see how a box with a 4 pixel rgb(181, 229, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 229, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 229, 128);  
box-shadow:4px 4px 4px 4px rgb(181, 229,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4209, 0.3418, 0.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 229, 128) }
```

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

```
.background{ background-color: rgb(181,  
229, 128) }
```

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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