

Converting Colors

Yxy(67.4184, 0.3127, 0.4107)

Have a look what the booklet for
Yxy(67.4184, 0.3127, 0.4107)
contains.

Yxy(67.2650, 0.3129, 0.4102)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.2650, 0.3129, 0.4102)

Conversions

Conversions Part 1

Format	Color
Hex	AAE5A4
RGB	170, 229, 164
RGB Percent	67%, 90%, 64%
CMY	0.3331, 0.1020, 0.3568
CMYK	0.26, 0.00, 0.28, 0.10
HSL	114°, 56%, 77%
HSV	114°, 28%, 90%
XYZ	51.3097, 67.2650, 45.4063
YIQ	203.9490, -14.2990, -32.7230

Conversions

Conversions Part 2

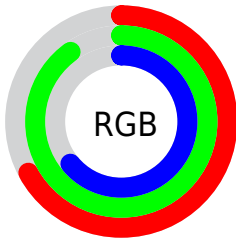
Format	Color
RYB	164, 229, 223
Decimal	11199908
CIELab	85.64, -30.97, 25.81
CIELCh	86, 40.320, 140.189
Yxy	67.2650, 0.3129, 0.4102
Android (android.graphics.Color)	4289389988 (0xFFAAE5A4)
YUV	203.9490, -19.6949, -29.7733
Hunter-Lab	82.0152, -31.8551, 24.5858

Details

The Yxy color **67.2650, 0.3129, 0.4102** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.8896, 0.3109, 0.2574**, and the grayscale version is **60.4936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8032, 0.3153, 0.3662**, and **34.7700, 0.3112, 0.4316** is the 20% darker color. If you saturate the color by 10%, you get **64.3780, 0.3124, 0.4442**, and if you desaturate by 10%, it is **70.6722, 0.3130, 0.3787**.

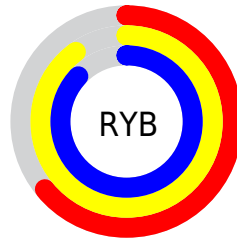
Distribution



Red (67%)

Green (90%)

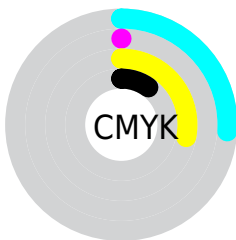
Blue (64%)



Red (64%)

Yellow (90%)

Blue (87%)

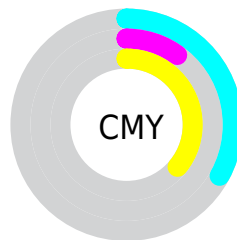


Cyan (26%)

Magenta (0%)

Yellow (28%)

Black (10%)



Cyan (33%)


Magenta (10%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2650, 0.3129, 0.4102 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 67.2650, 0.3129, 0.4102 by changing the saturation by 10% instead.

 67.2650, 0.3129,
0.4102


 67.2650, 0.3129,
0.4102


450.8875, 0.3138,
0.3703

 49.3000, 0.3124,
0.4199


 115.3000, 0.3135,
0.3959

 34.8575, 0.3116,
0.4322


 146.1389, 0.3136,
0.3905

 23.5531, 0.3103,
0.4482

182.0378, 0.3137,
0.3858

 15.0025, 0.3080,
0.4700

223.3812, 0.3138,
0.3819

 8.8211, 0.3038,
0.5010

270.5535, 0.3138,
0.3784

 4.6247, 0.2951,
0.5481


323.9390, 0.3138,

 2.0288, 0.2968,


0.3754


0.6764


383.9222, 0.3138,
0.3727

 0.6241, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 67.2650, 0.3129,
0.4102


 67.2650, 0.3129,
0.4102


 64.3780, 0.3124,
0.4442


 70.6722, 0.3130,
0.3787


 61.9776, 0.3115,
0.4793

 74.6144, 0.3129,
0.3503

 60.0393, 0.3102,
0.5137

 79.1165, 0.3127,
0.3251

 58.5334, 0.3084,
0.5449

 84.1598, 0.3126,
0.3038

■ 57.4262, 0.3063,
0.5703

■ 84.5132, 0.3139,
0.3039

■ 56.6795, 0.3041,
0.5879

■ 56.2444, 0.3020,
0.5975

■ 56.1964, 0.3018,
0.5986

Harmonies

Analogous

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



67.2650, 0.3614, 0.4188



67.2650, 0.3129, 0.4102



67.2650, 0.2666, 0.3731

Triad

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



67.2650, 0.3129, 0.4102



67.2650, 0.2314, 0.2553



67.2650, 0.3972, 0.3259

Complementary

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



67.2650, 0.3129, 0.4102



47.8896, 0.3109, 0.2574

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.



67.2650, 0.3569, 0.2894



67.2650, 0.3129, 0.4102



67.2650, 0.2609, 0.2499

Square

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



67.2650, 0.3129, 0.4102



67.2650, 0.2221, 0.2804



67.2650, 0.3061, 0.2624



67.2650, 0.4125, 0.3655

Rectangle

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



67.2650, 0.3129, 0.4102



67.2650, 0.2430, 0.3399



67.2650, 0.3061, 0.2624



67.2650, 0.3860, 0.3131

Sweetspot

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



67.2679, 0.3129, 0.4102



94.8735, 0.3130, 0.3521



71.8417, 0.3573, 0.3933



20.1413, 0.3130, 0.3561



0.0000, 0.0000, 0.0000



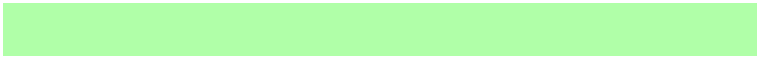
21.4041, 0.3127, 0.3290

Same Dimension

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



67.2679, 0.3129, 0.4102



83.6331, 0.3127, 0.4298



67.6450, 0.2935, 0.3773



16.1531, 0.3130, 0.3532



32.1560, 0.3022, 0.5982



2.3983, 0.3078, 0.5938

Inverse Universe

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



47.8896, 0.3109, 0.2574



55.0954, 0.3102, 0.2426



47.5238, 0.3384, 0.2853



14.5434, 0.3123, 0.3057



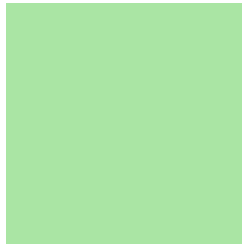
10.9012, 0.2976, 0.1413



0.8256, 0.3012, 0.1433

Previews

White Background



This preview shows how the Yxy color 67.2650, 0.3129, 0.4102 looks on a white background.

Color Contrast Check

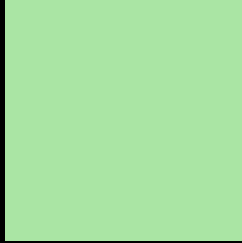
Large Text (above 18pt) WCAG AA × Fail

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 67.2650, 0.3129, 0.4102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

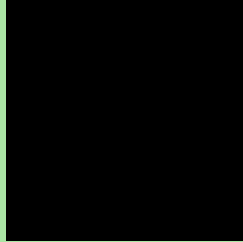
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.2650, 0.3129, 0.4102

Background



This preview shows how black text looks on a background with the Yxy color 67.2650, 0.3129, 0.4102.



This preview shows how white text looks on a background with the Yxy color 67.2650, 0.3129, 0.4102.

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

67.2650, 0.3129, 0.4102

Protanopia

66.6808, 0.3651, 0.3914

Deuteranopia

66.6670, 0.3749, 0.3672



Tritanopia

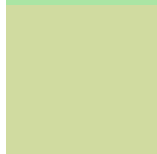
67.3681, 0.2775, 0.3094

Trichromacy



Original Color

67.2650, 0.3129, 0.4102



Protanomaly

66.6110, 0.3447, 0.3980



Deuteranomaly

66.0988, 0.3504, 0.3826



Tritanomaly

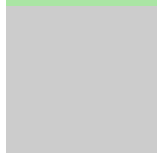
66.8935, 0.2903, 0.3445

Monochromacy



Original Color

67.2650, 0.3129, 0.4102



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.4691, 0.3136, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2650, 0.3129, 0.4102 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(170, 229, 164)` looks like.

```
.text, #text, p{  
    color:rgb(170, 229, 164)  
}
```

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(170, 229, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 229, 164) }
```

Border

The CSS property to change the border of an element to Yxy 67.2650, 0.3129, 0.4102 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(170, 229, 164) }
```

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

```
.border{ border-color:rgb(170, 229, 164) }
```

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

Here you see how a box with a 4 pixel rgb(170, 229, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 229, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 229, 164);  
box-shadow:4px 4px 4px 4px rgb(170, 229,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2650, 0.3129, 0.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 229, 164) }
```

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

```
.background{ background-color: rgb(170,  
229, 164) }
```

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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