

Converting Colors

Yxy(67.4916, 0.3124, 0.4143)

Have a look what the booklet for
Yxy(67.4916, 0.3124, 0.4143)
contains.

Yxy(67.5271, 0.3126, 0.4142)	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(67.5271, 0.3126, 0.4142)

Conversions

Conversions Part 1

Format	Color
Hex	A8E6A2
RGB	168, 230, 162
RGB Percent	66%, 90%, 64%
CMY	0.3413, 0.0980, 0.3646
CMYK	0.27, 0.00, 0.30, 0.10
HSL	115°, 58%, 77%
HSV	115°, 30%, 90%
XYZ	50.9632, 67.5271, 44.5398
YIQ	203.7100, -15.1240, -34.2920

Conversions

Conversions Part 2

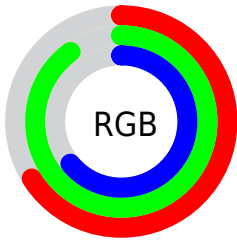
Format	Color
RYB	162, 230, 224
Decimal	11069090
CIELab	85.77, -32.46, 27.00
CIElCh	86, 42.220, 140.247
Yxy	67.5271, 0.3126, 0.4142
Android (android.graphics.Color)	4289259170 (0xFFA8E6A2)
YUV	203.7100, -20.5630, -31.3177
Hunter-Lab	82.1749, -33.1039, 25.3865

Details

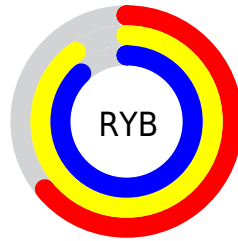
The Yxy color **67.5271, 0.3126, 0.4142** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.4197, 0.3111, 0.2545**, and the grayscale version is **60.3289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3770, 0.3152, 0.3685**, and **34.9753, 0.3109, 0.4369** is the 20% darker color. If you saturate the color by 10%, you get **64.6650, 0.3120, 0.4484**, and if you desaturate by 10%, it is **70.9164, 0.3129, 0.3823**.

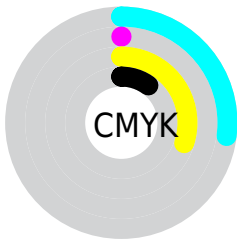
Distribution



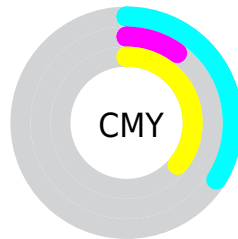
- Red (66%)
- Green (90%)
- Blue (64%)



- Red (64%)
- Yellow (90%)
- Blue (88%)



- Cyan (27%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)





- Cyan (34%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5271, 0.3126, 0.4142 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 67.5271, 0.3126, 0.4142 by changing the saturation by 10% instead.


 67.5271, 0.3126,
0.4142

 67.5271, 0.3126,
0.4142


451.8187, 0.3138,
0.3723

 49.5131, 0.3120,
0.4244


 115.6754, 0.3133,
0.3992

 35.0267, 0.3111,
0.4373


 146.5784, 0.3134,
0.3935

 23.6834, 0.3095,
0.4542


182.5466, 0.3136,
0.3886

 15.0990, 0.3070,
0.4770

223.9644, 0.3137,
0.3844

 8.8889, 0.3022,
0.5095

271.2161, 0.3137,
0.3808

 4.6688, 0.2926,
0.5588


324.6861, 0.3137,

 2.0543, 0.2955,


0.3776


0.7000


384.7588, 0.3138,
0.3748


 0.6387, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.5271, 0.3126,
0.4142


 67.5271, 0.3126,
0.4142


 64.6650, 0.3120,
0.4484


 70.9164, 0.3129,
0.3823


 62.2954, 0.3110,
0.4837

 74.8483, 0.3129,
0.3535

 60.3931, 0.3096,
0.5179

 79.3484, 0.3127,
0.3279

 58.9269, 0.3078,
0.5486

 84.4382, 0.3124,
0.3056

■ 57.8620, 0.3057,
0.5731

■ 85.0791, 0.3138,
0.3049

■ 57.1581, 0.3035,
0.5897

■ 56.7613, 0.3017,
0.5984

■ 56.7491, 0.3016,
0.5987

Harmonies

Analogous

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



67.5271, 0.3632, 0.4230



67.5271, 0.3126, 0.4142



67.5271, 0.2644, 0.3751

Triad

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



67.5271, 0.3126, 0.4142



67.5271, 0.2281, 0.2521



67.5271, 0.4012, 0.3257

Complementary

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



67.5271, 0.3126, 0.4142



47.4197, 0.3111, 0.2545

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.



67.5271, 0.3590, 0.2878



67.5271, 0.3126, 0.4142



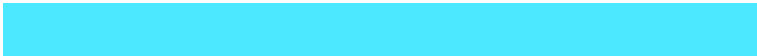
67.5271, 0.2587, 0.2467

Square

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



67.5271, 0.3126, 0.4142



67.5271, 0.2184, 0.2780



67.5271, 0.3058, 0.2597



67.5271, 0.4170, 0.3668

Rectangle

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



67.5271, 0.3126, 0.4142



67.5271, 0.2399, 0.3401



67.5271, 0.3058, 0.2597



67.5271, 0.3894, 0.3123

Sweetspot

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



67.5300, 0.3126, 0.4142



94.8512, 0.3129, 0.3521



72.3223, 0.3592, 0.3960



20.1359, 0.3129, 0.3561



0.0000, 0.0000, 0.0000



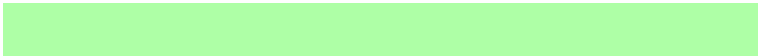
21.4041, 0.3127, 0.3290

Same Dimension

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



67.5300, 0.3126, 0.4142



83.2118, 0.3123, 0.4333



67.9664, 0.2928, 0.3797



16.1491, 0.3129, 0.3532



32.1469, 0.3020, 0.5984



2.3964, 0.3074, 0.5942

Inverse Universe

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



47.4197, 0.3111, 0.2545



54.2110, 0.3105, 0.2402



46.9762, 0.3397, 0.2834



14.5478, 0.3124, 0.3057



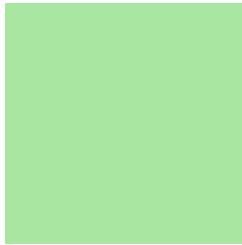
11.0091, 0.2991, 0.1421



0.8325, 0.3025, 0.1440

Previews

White Background



This preview shows how the Yxy color 67.5271, 0.3126, 0.4142 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 67.5271, 0.3126, 0.4142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

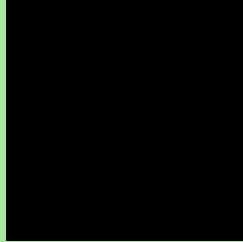
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5271, 0.3126, 0.4142

Background



This preview shows how black text looks on a background with the Yxy color 67.5271, 0.3126, 0.4142.



This preview shows how white text looks on a background with the Yxy color 67.5271, 0.3126, 0.4142.

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

67.5271, 0.3126, 0.4142

Protanopia

66.7781, 0.3673, 0.3934

Deuteranopia

66.7767, 0.3773, 0.3692



Tritanopia

67.1832, 0.2757, 0.3082

Trichromacy



Original Color

67.5271, 0.3126, 0.4142



Protanomaly

66.3971, 0.3452, 0.4005



Deuteranomaly

66.0254, 0.3518, 0.3849



Tritanomaly

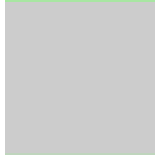
67.1946, 0.2891, 0.3457

Monochromacy



Original Color

67.5271, 0.3126, 0.4142



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.3390, 0.3128, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5271, 0.3126, 0.4142 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(168, 230, 162)` looks like.

```
.text, #text, p{  
    color:rgb(168, 230, 162)  
}
```

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(168, 230, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 230, 162) }
```

Border

The CSS property to change the border of an element to Yxy 67.5271, 0.3126, 0.4142 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(168, 230, 162) }
```

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

```
.border{ border-color:rgb(168, 230, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 230, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 230, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 230, 162);  
box-shadow:4px 4px 4px 4px rgb(168, 230,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5271, 0.3126, 0.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 230, 162) }
```

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

```
.background{ background-color: rgb(168,  
230, 162) }
```

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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