

Converting Colors

$Yxy(69.1333, 0.3136, 0.4199)$

Have a look what the booklet for
Yxy(69.1333, 0.3136, 0.4199)
contains.

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Color

Yxy(69.1407, 0.3136, 0.4199)

Conversions

Conversions Part 1

Format	Color
Hex	A8E9A0
RGB	168, 233, 160
RGB Percent	66%, 91%, 63%
CMY	0.3411, 0.0863, 0.3725
CMYK	0.28, 0.00, 0.31, 0.09
HSL	113°, 62%, 77%
HSV	113°, 31%, 91%
XYZ	51.6374, 69.1407, 43.8819
YIQ	205.2430, -15.3070, -36.4830

Conversions

Conversions Part 2

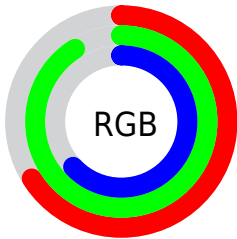
Format	Color
RYB	160, 233, 225
Decimal	11069856
CIELab	86.57, -34.14, 29.12
CIElCh	87, 44.874, 139.539
Yxy	69.1407, 0.3136, 0.4199
Android (android.graphics.Color)	4289259936 (0xFFA8E9A0)
YUV	205.2430, -22.3048, -32.6621
Hunter-Lab	83.1509, -34.6642, 26.9160

Details

The Yxy color **69.1407, 0.3136, 0.4199** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.0285, 0.3095, 0.2496**, and the grayscale version is **61.3705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4338, 0.3170, 0.3705**, and **36.1044, 0.3121, 0.4441** is the 20% darker color. If you saturate the color by 10%, you get **66.3051, 0.3132, 0.4542**, and if you desaturate by 10%, it is **72.4980, 0.3136, 0.3877**.

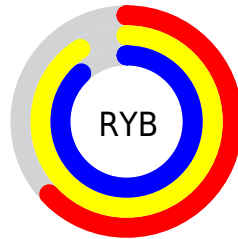
Distribution



Red (66%)

Green (91%)

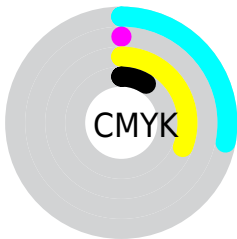
Blue (63%)



Red (63%)

Yellow (91%)

Blue (88%)

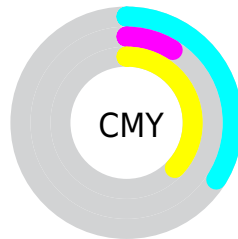


Cyan (28%)

Magenta (0%)

Yellow (31%)

Black (9%)



Cyan (34%)


Magenta (9%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.1407, 0.3136, 0.4199 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 69.1407, 0.3136, 0.4199 by changing the saturation by 10% instead.


 69.1407, 0.3136,
0.4199


 69.1407, 0.3136,
0.4199


457.5271, 0.3145,
0.3753

 50.8263, 0.3130,
0.4307


 117.9825, 0.3142,
0.4039

 36.0704, 0.3121,
0.4444


 149.2787, 0.3143,
0.3978

 24.4886, 0.3106,
0.4621


185.6710, 0.3144,
0.3927

 15.6964, 0.3079,
0.4861

227.5437, 0.3145,
0.3882

 9.3096, 0.3029,
0.5201

275.2813, 0.3145,
0.3844

 4.9437, 0.2926,
0.5709

329.2681, 0.3145,

 2.2142, 0.2918,


0.3810


0.7082


389.8886, 0.3145,
0.3780


 0.7277, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 69.1407, 0.3136,
0.4199


 69.1407, 0.3136,
0.4199


 66.3051, 0.3132,
0.4542


 72.4980, 0.3136,
0.3877

 63.9566, 0.3123,
0.4893

 76.3920, 0.3133,
0.3583

 62.0703, 0.3109,
0.5229

 80.8481, 0.3128,
0.3322

 60.6152, 0.3090,
0.5525

 85.8875, 0.3122,
0.3093

■ 59.5569, 0.3067,
0.5758

■ 86.7572, 0.3137,
0.3078

■ 58.8553, 0.3042,
0.5910

■ 58.4919, 0.3023,
0.5982

Harmonies

Analogous

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



69.1407, 0.3667, 0.4280



69.1407, 0.3136, 0.4199



69.1407, 0.2628, 0.3790

Triad

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



69.1407, 0.3136, 0.4199



69.1407, 0.2234, 0.2486



69.1407, 0.4053, 0.3242

Complementary

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



69.1407, 0.3136, 0.4199



47.0285, 0.3095, 0.2496

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.



69.1407, 0.3602, 0.2848



69.1407, 0.3136, 0.4199



69.1407, 0.2549, 0.2426

Square

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



69.1407, 0.3136, 0.4199



69.1407, 0.2138, 0.2760



69.1407, 0.3040, 0.2559



69.1407, 0.4227, 0.3672

Rectangle

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



69.1407, 0.3136, 0.4199



69.1407, 0.2368, 0.3419



69.1407, 0.3040, 0.2559



69.1407, 0.3927, 0.3103

Sweetspot

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



69.1436, 0.3136, 0.4199



94.9388, 0.3132, 0.3521



73.4328, 0.3625, 0.3989



20.1572, 0.3133, 0.3561



0.0000, 0.0000, 0.0000



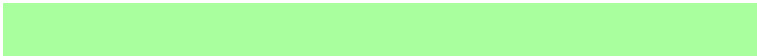
21.4041, 0.3127, 0.3290

Same Dimension

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



69.1436, 0.3136, 0.4199



82.4003, 0.3134, 0.4433



69.3813, 0.2924, 0.3849



16.9414, 0.3132, 0.3532



33.2159, 0.3027, 0.5978



2.6346, 0.3088, 0.5930

Inverse Universe

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



47.0285, 0.3095, 0.2496



51.0023, 0.3084, 0.2322



46.8747, 0.3407, 0.2792



15.2248, 0.3120, 0.3057



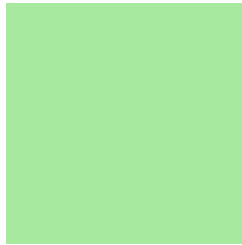
10.9296, 0.2934, 0.1390



0.8823, 0.2974, 0.1412

Previews

White Background



This preview shows how the Yxy color 69.1407, 0.3136, 0.4199 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 69.1407, 0.3136, 0.4199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

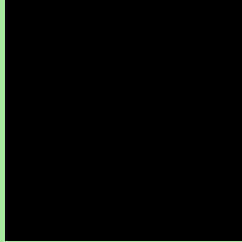
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

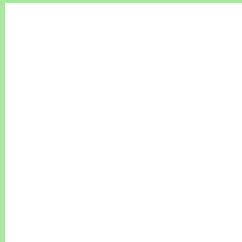
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.1407, 0.3136, 0.4199

Background



This preview shows how black text looks on a background with the Yxy color 69.1407, 0.3136, 0.4199.



This preview shows how white text looks on a background with the Yxy color 69.1407, 0.3136, 0.4199.

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

69.1407, 0.3136, 0.4199

Protanopia

68.7353, 0.3701, 0.3980

Deuteranopia

68.2615, 0.3798, 0.3719



Tritanopia

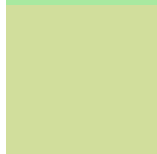
69.0713, 0.2749, 0.3084

Trichromacy



Original Color

69.1407, 0.3136, 0.4199



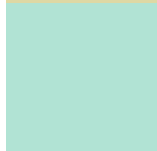
Protanomaly

68.1982, 0.3474, 0.4056



Deuteranomaly

67.3217, 0.3536, 0.3878



Tritanomaly

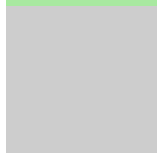
69.0387, 0.2887, 0.3467

Monochromacy



Original Color

69.1407, 0.3136, 0.4199



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.4815, 0.3134, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1407, 0.3136, 0.4199 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, 233, 160)` looks like.

```
.text, #text, p{  
    color:rgb(168, 233, 160)  
}
```

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, 233, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 233, 160) }
```

Border

The CSS property to change the border of an element to Yxy 69.1407, 0.3136, 0.4199 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, 233, 160) }
```

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

```
.border{ border-color:rgb(168, 233, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 233, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 233, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 233, 160);  
box-shadow:4px 4px 4px 4px rgb(168, 233,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1407, 0.3136, 0.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 233, 160) }
```

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

```
.background{ background-color: rgb(168,  
233, 160) }
```

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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