

Converting Colors

$Yxy(65.0547, 0.3108, 0.3884)$

Have a look what the booklet for
Yxy(65.0547, 0.3108, 0.3884)
contains.

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Color

Yxy(65.1006, 0.3106, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	B0DFAF
RGB	176, 223, 175
RGB Percent	69%, 87%, 69%
CMY	0.3098, 0.1255, 0.3136
CMYK	0.21, 0.00, 0.22, 0.13
HSL	119°, 43%, 78%
HSV	119°, 22%, 87%
XYZ	52.0336, 65.1006, 50.3918
YIQ	203.4750, -12.6040, -24.8920

Conversions

Conversions Part 2

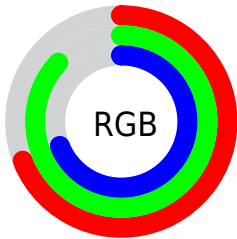
Format	Color
RYB	175, 223, 222
Decimal	11591599
CIELab	84.54, -24.32, 18.63
CIELCh	85, 30.635, 142.535
Yxy	65.1006, 0.3106, 0.3886
Android (android.graphics.Color)	4289781679 (0xFFB0DFAF)
YUV	203.4750, -14.0382, -24.0956
Hunter-Lab	80.6849, -26.0843, 19.4499

Details

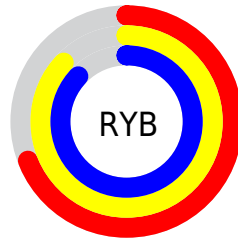
The Yxy color **65.1006, 0.3106, 0.3886** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.5284, 0.3144, 0.2756**, and the grayscale version is **60.1349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4453, 0.3122, 0.3533**, and **33.6214, 0.3100, 0.4058** is the 20% darker color. If you saturate the color by 10%, you get **61.9534, 0.3093, 0.4214**, and if you desaturate by 10%, it is **68.8076, 0.3117, 0.3589**.

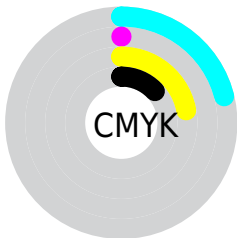
Distribution



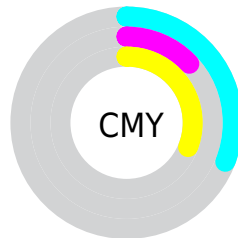
- Red (69%)
- Green (87%)
- Blue (69%)



- Red (69%)
- Yellow (87%)
- Blue (87%)



- Cyan (21%)
- Magenta (0%)
- Yellow (22%)
- Black (13%)




- Cyan (31%)
- Magenta (13%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1006, 0.3106, 0.3886 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 65.1006, 0.3106, 0.3886 by changing the saturation by 10% instead.


 65.1006, 0.3106,
0.3886

 65.1006, 0.3106,
0.3886


443.1534, 0.3122,
0.3594

 47.5427, 0.3101,
0.3957


 112.1945, 0.3113,
0.3781

 33.4649, 0.3093,
0.4047


142.4992, 0.3115,
0.3742

 22.4828, 0.3082,
0.4164


177.8216, 0.3117,
0.3708

 14.2121, 0.3065,
0.4325

218.5462, 0.3118,
0.3679

 8.2683, 0.3035,
0.4555

265.0572, 0.3119,
0.3653

 4.2671, 0.2978,
0.4912

317.7392, 0.3120,

 1.8241, 0.2924,

0.3631

0.5678

376.9765, 0.3121,
0.3612

■ 0.5021, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1006, 0.3106,
0.3886

■ 65.1006, 0.3106,
0.3886

■ 61.9534, 0.3093,
0.4214

■ 68.8076, 0.3117,
0.3589

■ 59.3311, 0.3079,
0.4565

■ 73.0910, 0.3126,
0.3327

■ 57.2076, 0.3063,
0.4924

■ 77.9769, 0.3133,
0.3098

■ 55.5514, 0.3047,
0.5266

■ 81.2558, 0.3142,
0.2980

■ 54.3271, 0.3032,
0.5564

■ 53.4946, 0.3018,
0.5793

■ 53.0062, 0.3008,
0.5936

■ 52.8054, 0.3003,
0.5997

Harmonies

Analogous

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



65.1006, 0.3483, 0.3979



65.1006, 0.3106, 0.3886



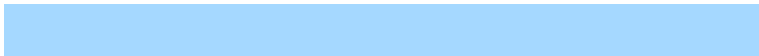
65.1006, 0.2749, 0.3597

Triad

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



65.1006, 0.3106, 0.3886



65.1006, 0.2504, 0.2709



65.1006, 0.3791, 0.3299

Complementary

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



65.1006, 0.3106, 0.3886



51.5284, 0.3144, 0.2756

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.



65.1006, 0.3497, 0.3003



65.1006, 0.3106, 0.3886



65.1006, 0.2751, 0.2671

Square

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



65.1006, 0.3106, 0.3886



65.1006, 0.2416, 0.2901



65.1006, 0.3111, 0.2779



65.1006, 0.3893, 0.3610

Rectangle

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



65.1006, 0.3106, 0.3886



65.1006, 0.2569, 0.3349



65.1006, 0.3111, 0.2779



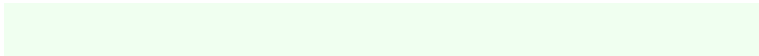
65.1006, 0.3710, 0.3195

Sweetspot

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



65.1034, 0.3106, 0.3886



96.3214, 0.3122, 0.3441



70.7094, 0.3454, 0.3808



20.5348, 0.3121, 0.3459



0.0000, 0.0000, 0.0000



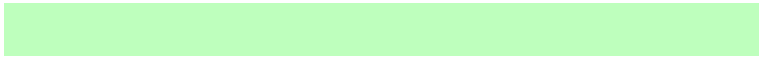
21.4041, 0.3127, 0.3290

Same Dimension

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



65.1034, 0.3106, 0.3886



86.1368, 0.3100, 0.4036



65.9426, 0.2960, 0.3602



15.3506, 0.3119, 0.3532



31.0545, 0.3005, 0.5996



2.1573, 0.3018, 0.5985

Inverse Universe

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



51.5284, 0.3144, 0.2756



64.4881, 0.3147, 0.2639



50.5560, 0.3336, 0.2998



13.9205, 0.3135, 0.3059



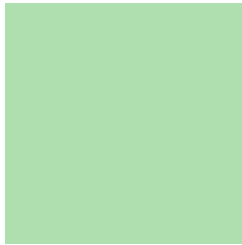
11.9401, 0.3158, 0.1513



0.8323, 0.3166, 0.1518

Previews

White Background



This preview shows how the Yxy color 65.1006, 0.3106, 0.3886 looks on a white background.

Color Contrast Check

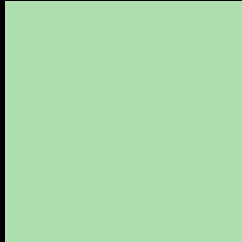
Large Text (above 18pt) WCAG AA × Fail

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 65.1006, 0.3106, 0.3886 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

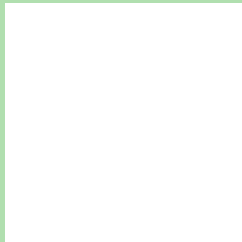
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.1006, 0.3106, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 65.1006, 0.3106, 0.3886.



This preview shows how white text looks on a background with the Yxy color 65.1006, 0.3106, 0.3886.

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

65.1006, 0.3106, 0.3886

Protanopia

64.6457, 0.3523, 0.3756

Deuteranopia

64.3730, 0.3623, 0.3540



Tritanopia

64.8662, 0.2819, 0.3093

Trichromacy



Original Color

65.1006, 0.3106, 0.3886

Protanomaly

64.6630, 0.3364, 0.3809

Deuteranomaly

64.2130, 0.3417, 0.3658

Tritanomaly

64.7910, 0.2922, 0.3373

Monochromacy



Original Color

65.1006, 0.3106, 0.3886

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.2809, 0.3118, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1006, 0.3106, 0.3886 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(176, 223, 175)` looks like.

```
.text, #text, p{  
    color:rgb(176, 223, 175)  
}
```

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(176, 223, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 223, 175) }
```

Border

The CSS property to change the border of an element to Yxy 65.1006, 0.3106, 0.3886 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(176, 223, 175) }
```

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

```
.border{ border-color:rgb(176, 223, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 223, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 223, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 223, 175);  
box-shadow:4px 4px 4px 4px rgb(176, 223,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1006, 0.3106, 0.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 223, 175) }
```

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

```
.background{ background-color: rgb(176,  
223, 175) }
```

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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