

Converting Colors

$Yxy(65.0506, 0.3166, 0.3833)$

Have a look what the booklet for
Yxy(65.0506, 0.3166, 0.3833)
contains.

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Color

Yxy(65.1618, 0.3165, 0.3840)

Conversions

Conversions Part 1

Format	Color
Hex	B9DDB0
RGB	185, 221, 176
RGB Percent	73%, 87%, 69%
CMY	0.2744, 0.1333, 0.3098
CMYK	0.16, 0.00, 0.20, 0.13
HSL	108°, 40%, 78%
HSV	108°, 20%, 87%
XYZ	53.7076, 65.1618, 50.8228
YIQ	205.1060, -7.0110, -21.6270

Conversions

Conversions Part 2

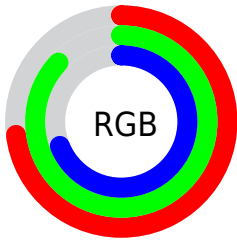
Format	Color
RYB	176, 221, 212
Decimal	12180912
CIELab	84.57, -20.11, 18.25
CIELCh	85, 27.157, 137.779
Yxy	65.1618, 0.3165, 0.3840
Android (android.graphics.Color)	4290370992 (0xFFB9DDB0)
YUV	205.1060, -14.3493, -17.6330
Hunter-Lab	80.7229, -22.5031, 19.1772

Details

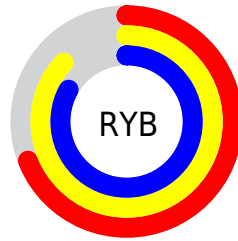
The Yxy color **65.1618, 0.3165, 0.3840** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.2643, 0.3076, 0.2775**, and the grayscale version is **61.2235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0470, 0.3173, 0.3519**, and **33.5278, 0.3167, 0.3996** is the 20% darker color. If you saturate the color by 10%, you get **62.2972, 0.3179, 0.4152**, and if you desaturate by 10%, it is **68.4473, 0.3147, 0.3555**.

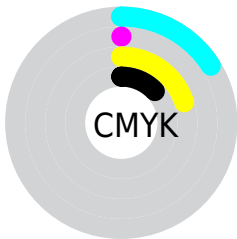
Distribution



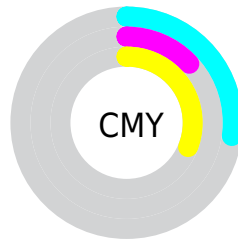
- Red (73%)
- Green (87%)
- Blue (69%)



- Red (69%)
- Yellow (87%)
- Blue (83%)



- Cyan (16%)
- Magenta (0%)
- Yellow (20%)
- Black (13%)





- Cyan (27%)
- Magenta (13%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1618, 0.3165, 0.3840 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 65.1618, 0.3165, 0.3840 by changing the saturation by 10% instead.


 65.1618, 0.3165,
0.3840

 65.1618, 0.3165,
0.3840


443.3732, 0.3152,
0.3572

 47.5923, 0.3167,
0.3905


 112.2824, 0.3161,
0.3744

 33.5041, 0.3168,
0.3987


142.6024, 0.3160,
0.3708

 22.5129, 0.3169,
0.4094


177.9412, 0.3158,
0.3677

 14.2343, 0.3168,
0.4239

218.6834, 0.3157,
0.3650

 8.2838, 0.3161,
0.4446

265.2133, 0.3155,
0.3627

 4.2771, 0.3140,
0.4766

317.9153, 0.3154,

 1.8297, 0.3142,

0.3606

0.5433

377.1738, 0.3153,
0.3588

0.5056, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.1618, 0.3165,
0.3840

65.1618, 0.3165,
0.3840

62.2972, 0.3179,
0.4152

68.4473, 0.3147,
0.3555

59.8283, 0.3188,
0.4484

72.1612, 0.3128,
0.3299

57.7398, 0.3189,
0.4823

76.3213, 0.3107,
0.3072

56.0124, 0.3181,
0.5151

80.1907, 0.3143,
0.2960

■ 54.6247, 0.3163,
0.5446

■ 53.5532, 0.3135,
0.5686

■ 52.7709, 0.3100,
0.5854

■ 52.2545, 0.3064,
0.5949

Harmonies

Analogous

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



65.1618, 0.3493, 0.3895



65.1618, 0.3165, 0.3840



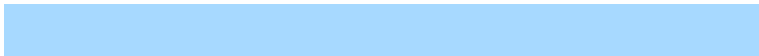
65.1618, 0.2838, 0.3610

Triad

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



65.1618, 0.3165, 0.3840



65.1618, 0.2549, 0.2791



65.1618, 0.3683, 0.3256

Complementary

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



65.1618, 0.3165, 0.3840



50.2643, 0.3076, 0.2775

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.



65.1618, 0.3404, 0.2997



65.1618, 0.3165, 0.3840



65.1618, 0.2750, 0.2733

Square

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



65.1618, 0.3165, 0.3840



65.1618, 0.2495, 0.2986



65.1618, 0.3060, 0.2810



65.1618, 0.3804, 0.3536

Rectangle

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



65.1618, 0.3165, 0.3840



65.1618, 0.2664, 0.3397



65.1618, 0.3060, 0.2810



65.1618, 0.3604, 0.3165

Sweetspot

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



65.1646, 0.3165, 0.3840



96.8076, 0.3139, 0.3441



65.2180, 0.3453, 0.3691



20.6493, 0.3140, 0.3458



0.0000, 0.0000, 0.0000



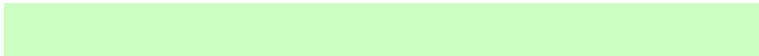
21.4041, 0.3127, 0.3290

Same Dimension

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



65.1646, 0.3165, 0.3840



88.5405, 0.3171, 0.3957



64.6048, 0.3020, 0.3687



14.7315, 0.3146, 0.3530



30.3949, 0.3071, 0.5943



2.0057, 0.3179, 0.5858

Inverse Universe

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



50.2643, 0.3076, 0.2775



64.7180, 0.3064, 0.2674



50.9905, 0.3254, 0.2923



13.1359, 0.3106, 0.3057



8.4857, 0.2708, 0.1265



0.5840, 0.2794, 0.1313

Previews

White Background



This preview shows how the Yxy color 65.1618, 0.3165, 0.3840 looks on a white background.

Color Contrast Check

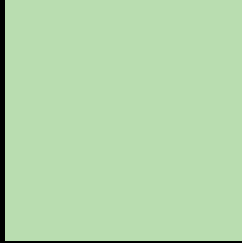
Large Text (above 18pt) WCAG AA × Fail

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 65.1618, 0.3165, 0.3840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

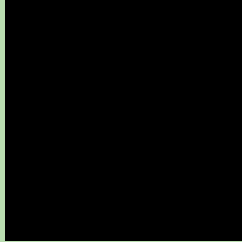
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1618, 0.3165, 0.3840

Background



This preview shows how black text looks on a background with the Yxy color 65.1618, 0.3165, 0.3840.

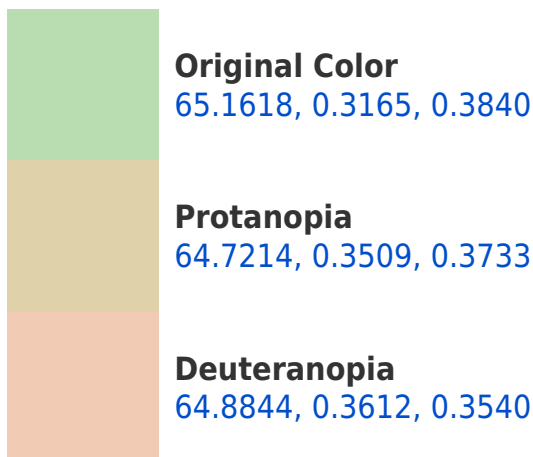


This preview shows how white text looks on a background with the Yxy color 65.1618, 0.3165, 0.3840.

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

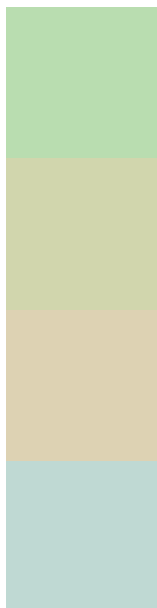




Tritanopia

65.3320, 0.2877, 0.3095

Trichromacy



Original Color

65.1618, 0.3165, 0.3840

Protanomaly

64.6656, 0.3375, 0.3770

Deuteranomaly

64.7200, 0.3434, 0.3643

Tritanomaly

65.4052, 0.2983, 0.3360

Monochromacy



Original Color

65.1618, 0.3165, 0.3840

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.4893, 0.3147, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1618, 0.3165, 0.3840 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(185, 221, 176)` looks like.

```
.text, #text, p{  
    color:rgb(185, 221, 176)  
}
```

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(185, 221, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 221, 176) }
```

Border

The CSS property to change the border of an element to Yxy 65.1618, 0.3165, 0.3840 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(185, 221, 176) }
```

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

```
.border{ border-color:rgb(185, 221, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 221, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 221, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 221, 176);  
box-shadow:4px 4px 4px 4px rgb(185, 221,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1618, 0.3165, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 221, 176) }
```

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

```
.background{ background-color: rgb(185,  
221, 176) }
```

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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