

Converting Colors

Yxy(64.9405, 0.3067, 0.3718)

Have a look what the booklet for
Yxy(64.9405, 0.3067, 0.3718)
contains.

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Color

Yxy(64.9614, 0.3065, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	B4DDBA
RGB	180, 221, 186
RGB Percent	71%, 87%, 73%
CMY	0.2942, 0.1333, 0.2706
CMYK	0.19, 0.00, 0.16, 0.13
HSL	129°, 38%, 79%
HSV	129°, 19%, 87%
XYZ	53.5377, 64.9614, 56.1753
YIQ	204.7510, -13.2010, -19.5770

Conversions

Conversions Part 2

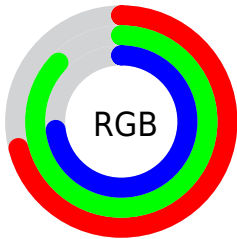
Format	Color
RYB	180, 216, 221
Decimal	11853242
CIELab	84.46, -20.10, 12.81
CIELCh	84, 23.835, 147.503
Yxy	64.9614, 0.3065, 0.3719
Android (android.graphics.Color)	4290043322 (0xFFB4DDBA)
YUV	204.7510, -9.2442, -21.7066
Hunter-Lab	80.5986, -22.4789, 15.0954

Details

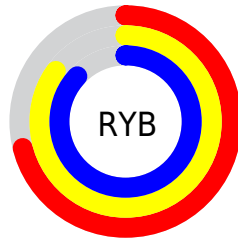
The Yxy color **64.9614, 0.3065, 0.3719** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.9110, 0.3196, 0.2896**, and the grayscale version is **60.9488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7637, 0.3084, 0.3419**, and **33.4779, 0.3048, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **61.7705, 0.3032, 0.3991**, and if you desaturate by 10%, it is **68.6865, 0.3099, 0.3476**.

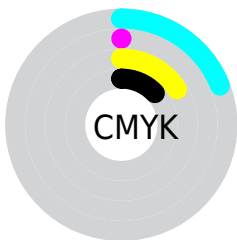
Distribution



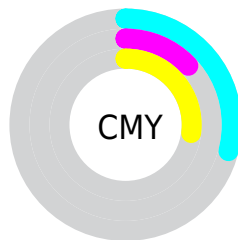
- Red (71%)
- Green (87%)
- Blue (73%)



- Red (71%)
- Yellow (85%)
- Blue (87%)



- Cyan (19%)
- Magenta (0%)
- Yellow (16%)
- Black (13%)





- Cyan (29%)
- Magenta (13%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9614, 0.3065, 0.3719 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 64.9614, 0.3065, 0.3719 by changing the saturation by 10% instead.


 64.9614, 0.3065,
0.3719

 64.9614, 0.3065,
0.3719


442.6532, 0.3097,
0.3510

 47.4298, 0.3057,
0.3769


 111.9944, 0.3077,
0.3644

 33.3755, 0.3046,
0.3833


142.2645, 0.3081,
0.3616

 22.4143, 0.3031,
0.3916

177.5496, 0.3085,
0.3592

 14.1616, 0.3010,
0.4029

218.2340, 0.3088,
0.3571

 8.2332, 0.2978,
0.4191

264.7022, 0.3091,
0.3553

 4.2445, 0.2924,
0.4443

317.3386, 0.3093,

 1.8113, 0.2822,

0.3537

0.4888

376.5274, 0.3096,
0.3523

0.4942, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.9614, 0.3065,
0.3719

64.9614, 0.3065,
0.3719

61.7705, 0.3032,
0.3991

68.6865, 0.3099,
0.3476

59.0814, 0.3000,
0.4288

72.9600, 0.3132,
0.3261

56.8709, 0.2973,
0.4602

77.8061, 0.3163,
0.3074

55.1106, 0.2953,
0.4920

80.1984, 0.3143,
0.2960

■ 53.7692, 0.2942,
0.5226

■ 52.8113, 0.2941,
0.5498

■ 52.1953, 0.2951,
0.5718

■ 51.8614, 0.2968,
0.5873

■ 51.8254, 0.2970,
0.5891

Harmonies

Analogous

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



64.9614, 0.3362, 0.3822



64.9614, 0.3065, 0.3719



64.9614, 0.2793, 0.3483

Triad

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



64.9614, 0.3065, 0.3719



64.9614, 0.2661, 0.2820



64.9614, 0.3667, 0.3344

Complementary

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



64.9614, 0.3065, 0.3719



52.9110, 0.3196, 0.2896

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.



64.9614, 0.3461, 0.3101



64.9614, 0.3065, 0.3719



64.9614, 0.2876, 0.2807

Square

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



64.9614, 0.3065, 0.3719



64.9614, 0.2568, 0.2957



64.9614, 0.3168, 0.2909



64.9614, 0.3719, 0.3585

Rectangle

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



64.9614, 0.3065, 0.3719



64.9614, 0.2661, 0.3291



64.9614, 0.3168, 0.2909



64.9614, 0.3613, 0.3260

Sweetspot

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



64.9642, 0.3065, 0.3719



96.4006, 0.3107, 0.3419



69.5414, 0.3364, 0.3756



20.5535, 0.3105, 0.3434



0.0000, 0.0000, 0.0000



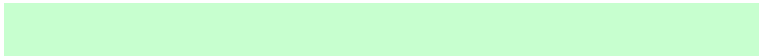
21.4041, 0.3127, 0.3290

Same Dimension

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



64.9642, 0.3065, 0.3719



88.1607, 0.3053, 0.3814



65.8731, 0.2940, 0.3470



14.6373, 0.3096, 0.3495



30.1131, 0.2965, 0.5873



1.9610, 0.2894, 0.5619

Inverse Universe

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



52.9110, 0.3196, 0.2896



68.7608, 0.3212, 0.2817



51.9470, 0.3360, 0.3117



13.2402, 0.3160, 0.3093



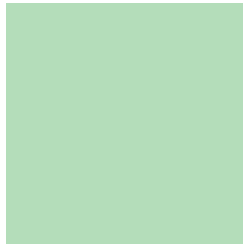
11.0649, 0.3617, 0.1766



0.7260, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 64.9614, 0.3065, 0.3719 looks on a white background.

Color Contrast Check

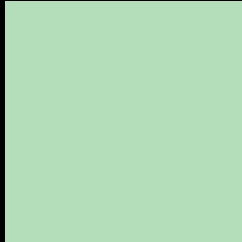
Large Text (above 18pt) WCAG AA × Fail

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 64.9614, 0.3065, 0.3719 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

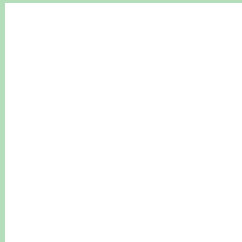
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.9614, 0.3065, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 64.9614, 0.3065, 0.3719.



This preview shows how white text looks on a background with the Yxy color 64.9614, 0.3065, 0.3719.

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

64.9614, 0.3065, 0.3719

Protanopia

64.7606, 0.3427, 0.3632

Deuteranopia

64.6067, 0.3502, 0.3432



Tritanopia

65.1184, 0.2832, 0.3094

Trichromacy



Original Color

64.9614, 0.3065, 0.3719

Protanomaly

64.5923, 0.3288, 0.3666

Deuteranomaly

64.5190, 0.3329, 0.3530

Tritanomaly

64.8463, 0.2917, 0.3313

Monochromacy



Original Color

64.9614, 0.3065, 0.3719

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.4015, 0.3105, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9614, 0.3065, 0.3719 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(180, 221, 186)` looks like.

```
.text, #text, p{  
    color:rgb(180, 221, 186)  
}
```

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(180, 221, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 221, 186) }
```

Border

The CSS property to change the border of an element to Yxy 64.9614, 0.3065, 0.3719 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(180, 221, 186) }
```

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

```
.border{ border-color:rgb(180, 221, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 221, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 221, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 221, 186);  
box-shadow:4px 4px 4px 4px rgb(180, 221,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9614, 0.3065, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 221, 186) }
```

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

```
.background{ background-color: rgb(180,  
221, 186) }
```

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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