

Converting Colors

$Yxy(64.3658, 0.3149, 0.3748)$

Have a look what the booklet for
Yxy(64.3658, 0.3149, 0.3748)
contains.

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Color

Yxy(64.5640, 0.3148, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	BBDBB5
RGB	187, 219, 181
RGB Percent	73%, 86%, 71%
CMY	0.2668, 0.1411, 0.2903
CMYK	0.15, 0.00, 0.17, 0.14
HSL	111°, 35%, 78%
HSV	111°, 17%, 86%
XYZ	54.1560, 64.5640, 53.3130
YIQ	205.1000, -6.8740, -18.6020

Conversions

Conversions Part 2

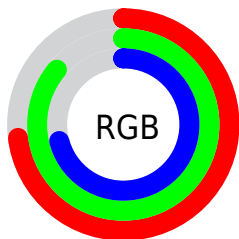
Format	Color
RYB	181, 219, 213
Decimal	12311477
CIELab	84.26, -17.63, 15.22
CIELCh	84, 23.297, 139.196
Yxy	64.5640, 0.3148, 0.3753
Android (android.graphics.Color)	4290501557 (0xFFBBDBB5)
YUV	205.1000, -11.8813, -15.8737
Hunter-Lab	80.3517, -20.3089, 16.9075

Details

The Yxy color **64.5640, 0.3148, 0.3753** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.3079, 0.3098, 0.2855**, and the grayscale version is **61.1937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6891, 0.3156, 0.3468**, and **33.0960, 0.3146, 0.3878** is the 20% darker color. If you saturate the color by 10%, you get **61.5573, 0.3156, 0.4060**, and if you desaturate by 10%, it is **68.0168, 0.3137, 0.3475**.

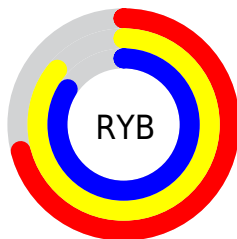
Distribution



Red (73%)

Green (86%)

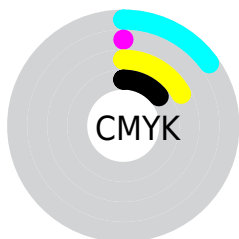
Blue (71%)



Red (71%)

Yellow (86%)

Blue (84%)

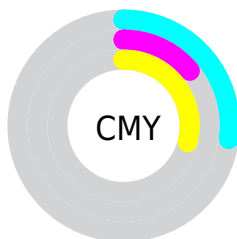


Cyan (15%)

Magenta (0%)

Yellow (17%)

Black (14%)



Cyan (27%)


Magenta (14%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5640, 0.3148, 0.3753 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 64.5640, 0.3148, 0.3753 by changing the saturation by 10% instead.


 64.5640, 0.3148,
0.3753

 64.5640, 0.3148,
0.3753


441.2235, 0.3141,
0.3528

 47.1076, 0.3149,
0.3807


 111.4228, 0.3146,
0.3673

 33.1207, 0.3149,
0.3876


141.5940, 0.3146,
0.3642

 22.2190, 0.3148,
0.3966


176.7723, 0.3145,
0.3616

 14.0179, 0.3146,
0.4087

217.3420, 0.3144,
0.3593

 8.1331, 0.3140,
0.4261

263.6876, 0.3143,
0.3574

 4.1802, 0.3122,
0.4531

316.1935, 0.3143,

 1.7749, 0.3099,

0.3557

375.2440, 0.3142,
0.3541

0.5042

0.4714, 0.0360,
0.9640

0.0000, 0.0000,
0.0000

64.5640, 0.3148,
0.3753

64.5640, 0.3148,
0.3753

61.5573, 0.3156,
0.4060

68.0168, 0.3137,
0.3475

58.9706, 0.3161,
0.4391

71.9243, 0.3124,
0.3228

56.7875, 0.3159,
0.4734

76.3053, 0.3110,
0.3011

54.9872, 0.3151,
0.5073

79.1518, 0.3144,
0.2940

■ 53.5474, 0.3134,
0.5384

■ 52.4429, 0.3110,
0.5644

■ 51.6457, 0.3081,
0.5834

■ 51.1212, 0.3049,
0.5945

■ 51.0190, 0.3042,
0.5967

Harmonies

Analogous

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



64.5640, 0.3432, 0.3810



64.5640, 0.3148, 0.3753



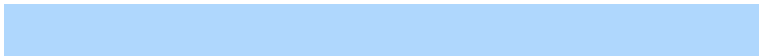
64.5640, 0.2867, 0.3552

Triad

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



64.5640, 0.3148, 0.3753



64.5640, 0.2632, 0.2855



64.5640, 0.3613, 0.3275

Complementary

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



64.5640, 0.3148, 0.3753



52.3079, 0.3098, 0.2855

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.



64.5640, 0.3380, 0.3046



64.5640, 0.3148, 0.3753



64.5640, 0.2813, 0.2808

Square

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



64.5640, 0.3148, 0.3753



64.5640, 0.2578, 0.3020



64.5640, 0.3085, 0.2878



64.5640, 0.3709, 0.3517

Rectangle

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



64.5640, 0.3148, 0.3753



64.5640, 0.2718, 0.3370



64.5640, 0.3085, 0.2878



64.5640, 0.3547, 0.3194

Sweetspot

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



64.5668, 0.3148, 0.3753



97.2243, 0.3134, 0.3415



65.8246, 0.3399, 0.3651



20.7294, 0.3135, 0.3433



0.0000, 0.0000, 0.0000



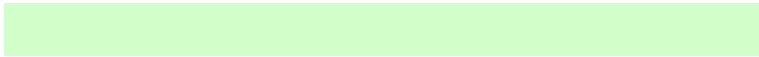
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5668, 0.3148, 0.3753



89.4399, 0.3152, 0.3867



64.3732, 0.3024, 0.3599



14.7040, 0.3139, 0.3530



30.2771, 0.3048, 0.5962



1.9927, 0.3142, 0.5887

Inverse Universe

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



52.3079, 0.3098, 0.2855



68.9024, 0.3090, 0.2756



52.5757, 0.3248, 0.3000



13.1659, 0.3113, 0.3058



9.1579, 0.2817, 0.1325



0.6217, 0.2884, 0.1363

Previews

White Background



This preview shows how the Yxy color 64.5640, 0.3148, 0.3753 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 64.5640, 0.3148, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

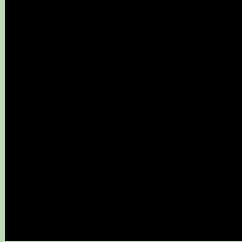
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

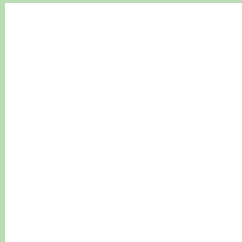
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.5640, 0.3148, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 64.5640, 0.3148, 0.3753.



This preview shows how white text looks on a background with the Yxy color 64.5640, 0.3148, 0.3753.

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

64.5640, 0.3148, 0.3753

Protanopia

64.1077, 0.3458, 0.3667

Deuteranopia

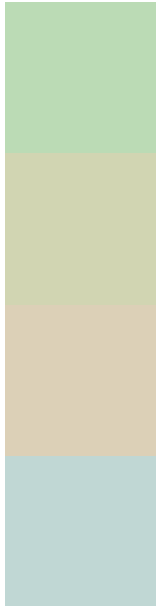
64.0525, 0.3559, 0.3487



Tritanopia

64.3462, 0.2895, 0.3095

Trichromacy



Original Color

64.5640, 0.3148, 0.3753

Protanomaly

64.3582, 0.3341, 0.3700

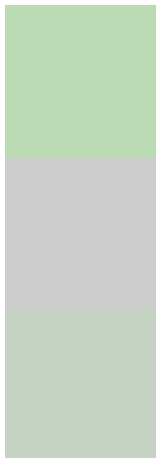
Deuteranomaly

63.7463, 0.3400, 0.3576

Tritanomaly

64.5608, 0.2983, 0.3325

Monochromacy



Original Color

64.5640, 0.3148, 0.3753

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.0845, 0.3134, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5640, 0.3148, 0.3753 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(187, 219, 181)` looks like.

```
.text, #text, p{  
    color:rgb(187, 219, 181)  
}
```

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(187, 219, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 219, 181) }
```

Border

The CSS property to change the border of an element to Yxy 64.5640, 0.3148, 0.3753 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(187, 219, 181) }
```

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

```
.border{ border-color:rgb(187, 219, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 219, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 219, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 219, 181); box-shadow:4px 4px 4px 4px rgb(187, 219, 181) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5640, 0.3148, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 219, 181) }
```

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

```
.background{ background-color: rgb(187,  
219, 181) }
```

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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