

Converting Colors

Yxy(64.4235, 0.3329, 0.4201)

Have a look what the booklet for
Yxy(64.4235, 0.3329, 0.4201)
contains.

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Color

Yxy(64.4480, 0.3328, 0.4206)

Conversions

Conversions Part 1

Format	Color
Hex	B7DE94
RGB	183, 222, 148
RGB Percent	72%, 87%, 58%
CMY	0.2824, 0.1294, 0.4194
CMYK	0.18, 0.00, 0.33, 0.13
HSL	92°, 53%, 73%
HSV	92°, 33%, 87%
XYZ	50.9945, 64.4480, 37.7862
YIQ	201.9030, 0.5100, -31.2820

Conversions

Conversions Part 2

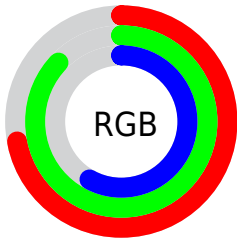
Format	Color
RYB	148, 222, 187
Decimal	12050068
CIELab	84.20, -25.60, 32.21
CIElCh	84, 41.146, 128.482
Yxy	64.4480, 0.3328, 0.4206
Android (android.graphics.Color)	4290240148 (0xFFB7DE94)
YUV	201.9030, -26.5742, -16.5779
Hunter-Lab	80.2795, -27.1038, 28.2889

Details

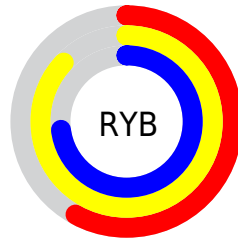
The Yxy color **64.4480, 0.3328, 0.4206** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.0412, 0.2853, 0.2386**, and the grayscale version is **59.1693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3571, 0.3336, 0.3817**, and **33.1491, 0.3363, 0.4463** is the 20% darker color. If you saturate the color by 10%, you get **62.4367, 0.3376, 0.4510**, and if you desaturate by 10%, it is **66.7193, 0.3272, 0.3910**.

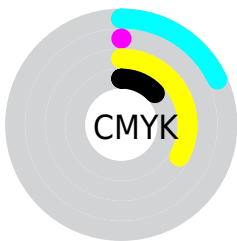
Distribution



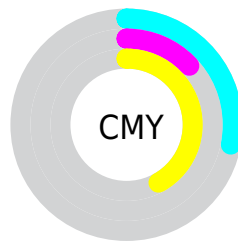
- Red (72%)
- Green (87%)
- Blue (58%)



- Red (58%)
- Yellow (87%)
- Blue (73%)



- Cyan (18%)
- Magenta (0%)
- Yellow (33%)
- Black (13%)





- Cyan (28%)
- Magenta (13%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4480, 0.3328, 0.4206 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 64.4480, 0.3328, 0.4206 by changing the saturation by 10% instead.


 64.4480, 0.3328,
0.4206


 64.4480, 0.3328,
0.4206


440.8057, 0.3246,
0.3756

 47.0136, 0.3343,
0.4315


 111.2559, 0.3302,
0.4045

 33.0464, 0.3360,
0.4452


 141.3982, 0.3291,
0.3983

 22.1620, 0.3376,
0.4631


176.5452, 0.3281,
0.3931

 13.9760, 0.3390,
0.4871

217.0814, 0.3273,
0.3886

 8.1040, 0.3391,
0.5206

263.3912, 0.3265,
0.3847

 4.1615, 0.3365,
0.5720

315.8589, 0.3258,

 1.7643, 0.3301,

0.3813

0.6699

374.8689, 0.3251,
0.3783

0.4648, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.4480, 0.3328,
0.4206

64.4480, 0.3328,
0.4206

62.4367, 0.3376,
0.4510

66.7193, 0.3272,
0.3910

60.6663, 0.3410,
0.4810


69.2522, 0.3211,
0.3630


59.1281, 0.3428,
0.5092

72.0586, 0.3148,
0.3371


57.8095, 0.3426,
0.5339


75.1475, 0.3086,
0.3135


 56.6961, 0.3402,
0.5537

 78.2638, 0.3050,
0.2960

 55.7712, 0.3358,
0.5678

 80.3982, 0.3130,
0.2969

 55.2417, 0.3321,
0.5745

 80.7261, 0.3142,
0.2970

Harmonies

Analogous

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



64.4480, 0.3800, 0.4171



64.4480, 0.3328, 0.4206



64.4480, 0.2825, 0.3926

Triad

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



64.4480, 0.3328, 0.4206



64.4480, 0.2225, 0.2605



64.4480, 0.3863, 0.3102

Complementary

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



64.4480, 0.3328, 0.4206



37.0412, 0.2853, 0.2386

Split Complementary

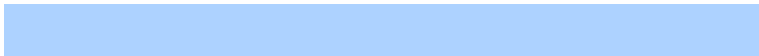
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.4480, 0.3382, 0.2758



64.4480, 0.3328, 0.4206



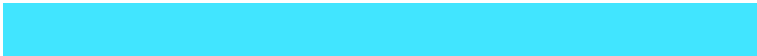
64.4480, 0.2450, 0.2472

Square

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



64.4480, 0.3328, 0.4206



64.4480, 0.2215, 0.2940



64.4480, 0.2861, 0.2533



64.4480, 0.4135, 0.3506

Rectangle

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



64.4480, 0.3328, 0.4206



64.4480, 0.2539, 0.3607



64.4480, 0.2861, 0.2533



64.4480, 0.3718, 0.2978

Sweetspot

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



64.4508, 0.3328, 0.4206



96.0021, 0.3191, 0.3544



52.8968, 0.3754, 0.3740



20.4348, 0.3199, 0.3581



0.0000, 0.0000, 0.0000



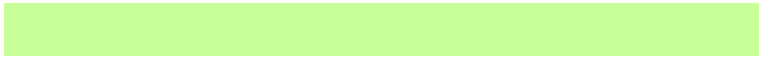
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4508, 0.3328, 0.4206



86.2628, 0.3362, 0.4418



60.7249, 0.3073, 0.4262



15.6531, 0.3187, 0.3527



32.8753, 0.3332, 0.5737



2.3317, 0.3451, 0.5642

Inverse Universe

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



37.0412, 0.2853, 0.2386



43.2415, 0.2778, 0.2179



41.9326, 0.3177, 0.2478



13.5974, 0.3063, 0.3054



5.4511, 0.2082, 0.0920



0.4310, 0.2245, 0.1010

Previews

White Background



This preview shows how the Yxy color 64.4480, 0.3328, 0.4206 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 64.4480, 0.3328, 0.4206 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 64.4480, 0.3328, 0.4206

Background



This preview shows how black text looks on a background with the Yxy color 64.4480, 0.3328, 0.4206.



This preview shows how white text looks on a background with the Yxy color 64.4480, 0.3328, 0.4206.

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

64.4480, 0.3328, 0.4206

Protanopia

63.9150, 0.3749, 0.4031

Deuteranopia

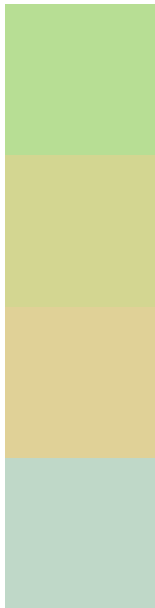
64.0297, 0.3880, 0.3802



Tritanopia

64.3462, 0.2895, 0.3095

Trichromacy



Original Color

64.4480, 0.3328, 0.4206

Protanomaly

63.9864, 0.3587, 0.4097

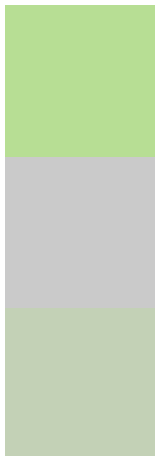
Deuteranomaly

63.6826, 0.3666, 0.3949

Tritanomaly

64.3582, 0.3054, 0.3480

Monochromacy



Original Color

64.4480, 0.3328, 0.4206

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.5804, 0.3210, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4480, 0.3328, 0.4206 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(183, 222, 148)` looks like.

```
.text, #text, p{  
    color:rgb(183, 222, 148)  
}
```

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(183, 222, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 222, 148) }
```

Border

The CSS property to change the border of an element to Yxy 64.4480, 0.3328, 0.4206 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(183, 222, 148) }
```

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

```
.border{ border-color:rgb(183, 222, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 222, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 222, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 222, 148);  
box-shadow:4px 4px 4px 4px rgb(183, 222,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4480, 0.3328, 0.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 222, 148) }
```

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

```
.background{ background-color: rgb(183,  
222, 148) }
```

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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