

Converting Colors

$Yxy(64.1608, 0.3181, 0.3880)$

Have a look what the booklet for
Yxy(64.1608, 0.3181, 0.3880)
contains.

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Color

Yxy(64.2322, 0.3177, 0.3882)

Conversions

Conversions Part 1

Format	Color
Hex	B7DCAC
RGB	183, 220, 172
RGB Percent	72%, 86%, 67%
CMY	0.2824, 0.1372, 0.3254
CMYK	0.17, 0.00, 0.22, 0.14
HSL	106°, 41%, 77%
HSV	106°, 22%, 86%
XYZ	52.5672, 64.2322, 48.6623
YIQ	203.4650, -6.6440, -22.7720

Conversions

Conversions Part 2

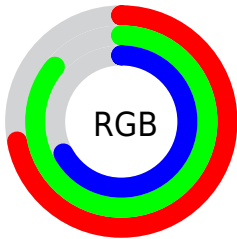
Format	Color
RYB	172, 220, 209
Decimal	12049580
CIELab	84.09, -20.99, 19.65
CIELCh	84, 28.751, 136.883
Yxy	64.2322, 0.3177, 0.3882
Android (android.graphics.Color)	4290239660 (0xFFB7DCAC)
YUV	203.4650, -15.5122, -17.9478
Hunter-Lab	80.1450, -23.1755, 20.1019

Details

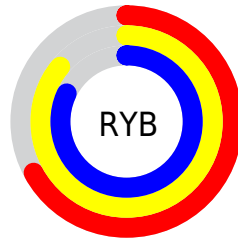
The Yxy color **64.2322, 0.3177, 0.3882** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.2364, 0.3060, 0.2735**, and the grayscale version is **60.1321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4722, 0.3183, 0.3560**, and **32.9335, 0.3174, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **61.5017, 0.3195, 0.4195**, and if you desaturate by 10%, it is **67.3590, 0.3155, 0.3594**.

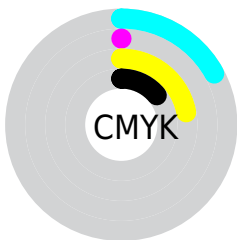
Distribution



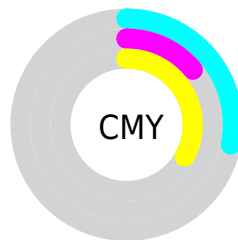
- Red (72%)
- Green (86%)
- Blue (67%)



- Red (67%)
- Yellow (86%)
- Blue (82%)



- Cyan (17%)
- Magenta (0%)
- Yellow (22%)
- Black (14%)




- Cyan (28%)
- Magenta (14%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2322, 0.3177, 0.3882 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 64.2322, 0.3177, 0.3882 by changing the saturation by 10% instead.


 64.2322, 0.3177,
0.3882

 64.2322, 0.3177,
0.3882


440.0277, 0.3159,
0.3592

 46.8388, 0.3180,
0.3952


 110.9453, 0.3172,
0.3778

 32.9082, 0.3182,
0.4041


141.0337, 0.3169,
0.3739

 22.0561, 0.3184,
0.4158


176.1226, 0.3167,
0.3705

 13.8982, 0.3184,
0.4316

216.5963, 0.3165,
0.3676

 8.0499, 0.3177,
0.4543

262.8393, 0.3163,
0.3651

 4.1269, 0.3154,
0.4893

315.2359, 0.3162,

 1.7448, 0.3206,

0.3629

0.5729

374.1706, 0.3160,
0.3610

0.4524, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.2322, 0.3177,
0.3882

64.2322, 0.3177,
0.3882

61.5017, 0.3195,
0.4195

67.3590, 0.3155,
0.3594

59.1434, 0.3206,
0.4526

70.8887, 0.3132,
0.3334

57.1432, 0.3209,
0.4861

74.8381, 0.3107,
0.3103

55.4830, 0.3202,
0.5183

78.8932, 0.3114,
0.2947

■ 54.1428, 0.3183,
0.5468

■ 79.6697, 0.3143,
0.2950

■ 53.1005, 0.3153,
0.5698

■ 52.3307, 0.3114,
0.5856

■ 51.8762, 0.3081,
0.5936

Harmonies

Analogous

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



64.2322, 0.3525, 0.3932



64.2322, 0.3177, 0.3882



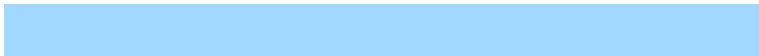
64.2322, 0.2829, 0.3640

Triad

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



64.2322, 0.3177, 0.3882



64.2322, 0.2510, 0.2764



64.2322, 0.3712, 0.3244

Complementary

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



64.2322, 0.3177, 0.3882



48.2364, 0.3060, 0.2735

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.



64.2322, 0.3411, 0.2972



64.2322, 0.3177, 0.3882



64.2322, 0.2718, 0.2700

Square

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



64.2322, 0.3177, 0.3882



64.2322, 0.2458, 0.2974



64.2322, 0.3044, 0.2777



64.2322, 0.3847, 0.3541

Rectangle

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



64.2322, 0.3177, 0.3882



64.2322, 0.2642, 0.3414



64.2322, 0.3044, 0.2777



64.2322, 0.3626, 0.3148

Sweetspot

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



64.2350, 0.3177, 0.3882



96.3851, 0.3144, 0.3467



63.7022, 0.3480, 0.3712



20.5666, 0.3146, 0.3482



0.0000, 0.0000, 0.0000



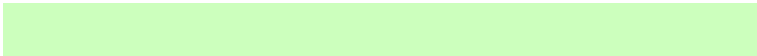
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2350, 0.3177, 0.3882



87.9998, 0.3185, 0.4017



63.4565, 0.3018, 0.3730



14.7492, 0.3150, 0.3529



30.4853, 0.3089, 0.5929



2.0140, 0.3203, 0.5839

Inverse Universe

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



48.2364, 0.3060, 0.2735



61.9822, 0.3043, 0.2617



49.2414, 0.3258, 0.2887



13.1169, 0.3102, 0.3057



8.0789, 0.2639, 0.1227



0.5608, 0.2736, 0.1281

Previews

White Background



This preview shows how the Yxy color 64.2322, 0.3177, 0.3882 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 64.2322, 0.3177, 0.3882 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 64.2322, 0.3177, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 64.2322, 0.3177, 0.3882.

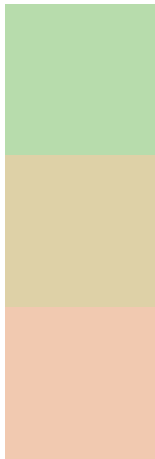


This preview shows how white text looks on a background with the Yxy color 64.2322, 0.3177, 0.3882.

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

64.2322, 0.3177, 0.3882

Protanopia

63.9205, 0.3533, 0.3770

Deuteranopia

63.6086, 0.3641, 0.3563



Tritanopia

63.9506, 0.2875, 0.3094

Trichromacy



Original Color

64.2322, 0.3177, 0.3882

Protanomaly

63.8630, 0.3397, 0.3808

Deuteranomaly

63.4225, 0.3460, 0.3669

Tritanomaly

63.9738, 0.2988, 0.3373

Monochromacy



Original Color

64.2322, 0.3177, 0.3882

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.1425, 0.3148, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2322, 0.3177, 0.3882 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, 220, 172)` looks like.

```
.text, #text, p{  
    color:rgb(183, 220, 172)  
}
```

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, 220, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 220, 172) }
```

Border

The CSS property to change the border of an element to Yxy 64.2322, 0.3177, 0.3882 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, 220, 172) }
```

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

```
.border{ border-color:rgb(183, 220, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 220, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 220, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 220, 172); box-shadow:4px 4px 4px 4px rgb(183, 220, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2322, 0.3177, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 220, 172) }
```

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

```
.background{ background-color: rgb(183,  
220, 172) }
```

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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