

Converting Colors

Yxy(64.3415, 0.3000, 0.3606)

Have a look what the booklet for
Yxy(64.3415, 0.3000, 0.3606)
contains.

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Color

Yxy(64.5464, 0.3001, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	B2DCC2
RGB	178, 220, 194
RGB Percent	70%, 86%, 76%
CMY	0.3020, 0.1372, 0.2392
CMYK	0.19, 0.00, 0.12, 0.14
HSL	143°, 38%, 78%
HSV	143°, 19%, 86%
XYZ	53.6873, 64.5464, 60.6643
YIQ	204.4780, -16.6860, -16.9900

Conversions

Conversions Part 2

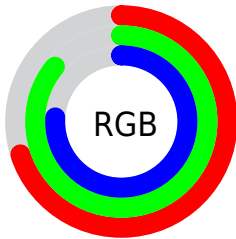
Format	Color
R _{YB}	178, 208, 220
Decimal	11721922
CIE Lab	84.25, -18.79, 8.27
CIE LCh	84, 20.535, 156.244
Yxy	64.5464, 0.3001, 0.3608
Android (android.graphics.Color)	4289912002 (0xFFB2DCC2)
YUV	204.4780, -5.1657, -23.2212
Hunter-Lab	80.3408, -21.3147, 11.4694

Details

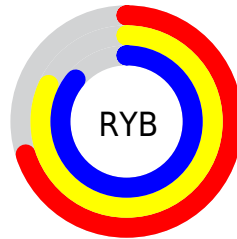
The Yxy color **64.5464, 0.3001, 0.3608** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.4109, 0.3279, 0.2992**, and the grayscale version is **60.7423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9146, 0.3027, 0.3339**, and **33.1637, 0.2973, 0.3701** is the 20% darker color. If you saturate the color by 10%, you get **61.5681, 0.2939, 0.3803**, and if you desaturate by 10%, it is **68.0036, 0.3067, 0.3433**.

Distribution



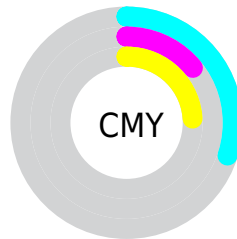
- Red (70%)
- Green (86%)
- Blue (76%)



- Red (70%)
- Yellow (82%)
- Blue (86%)



- Cyan (19%)
- Magenta (0%)
- Yellow (12%)
- Black (14%)




- Cyan (30%)
- Magenta (14%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5464, 0.3001, 0.3608 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 64.5464, 0.3001, 0.3608 by changing the saturation by 10% instead.


 64.5464, 0.3001,
0.3608

 64.5464, 0.3001,
0.3608


441.1601, 0.3062,
0.3454

 47.0934, 0.2986,
0.3645


 111.3975, 0.3023,
0.3553

 33.1095, 0.2967,
0.3692

141.5643, 0.3031,
0.3532

 22.2103, 0.2943,
0.3753

176.7378, 0.3038,
0.3514

 14.0115, 0.2910,
0.3835

217.3025, 0.3045,
0.3499

 8.1287, 0.2862,
0.3953

263.6427, 0.3050,
0.3486

 4.1774, 0.2787,
0.4136

316.1427, 0.3055,

 1.7733, 0.2655,

0.3474

0.4456

375.1871, 0.3059,
0.3463

0.4704, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.5464, 0.3001,
0.3608

64.5464, 0.3001,
0.3608

61.5681, 0.2939,
0.3803

68.0036, 0.3067,
0.3433

59.0392, 0.2882,
0.4016

71.9514, 0.3133,
0.3277

56.9392, 0.2835,
0.4244

76.4115, 0.3199,
0.3139

55.2432, 0.2801,
0.4483

79.2577, 0.3186,
0.3012

■ 53.9233, 0.2782,
0.4726

■ 79.6712, 0.3143,
0.2950

■ 52.9477, 0.2780,
0.4963

■ 52.2796, 0.2798,
0.5186

■ 51.8606, 0.2831,
0.5385

■ 51.8285, 0.2834,
0.5402

Harmonies

Analogous

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



64.5464, 0.3259, 0.3735



64.5464, 0.3001, 0.3608



64.5464, 0.2783, 0.3386

Triad

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



64.5464, 0.3001, 0.3608



64.5464, 0.2768, 0.2868



64.5464, 0.3620, 0.3402

Complementary

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



64.5464, 0.3001, 0.3608



51.4109, 0.3279, 0.2992

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.



64.5464, 0.3478, 0.3186



64.5464, 0.3001, 0.3608



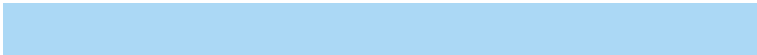
64.5464, 0.2980, 0.2885

Square

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



64.5464, 0.3001, 0.3608



64.5464, 0.2653, 0.2958



64.5464, 0.3240, 0.3001



64.5464, 0.3623, 0.3601

Rectangle

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



64.5464, 0.3001, 0.3608



64.5464, 0.2687, 0.3222



64.5464, 0.3240, 0.3001



64.5464, 0.3587, 0.3330

Sweetspot

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



64.5491, 0.3001, 0.3608



96.6178, 0.3087, 0.3383



67.3272, 0.3297, 0.3782



20.6047, 0.3082, 0.3394



0.0000, 0.0000, 0.0000



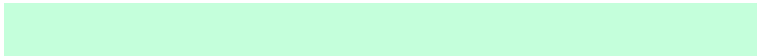
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5491, 0.3001, 0.3608



88.4012, 0.2975, 0.3685



65.5301, 0.2875, 0.3356



14.6879, 0.3064, 0.3438



30.4349, 0.2826, 0.5374



1.9882, 0.2734, 0.5041

Inverse Universe

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



51.4109, 0.3279, 0.2992



66.7614, 0.3318, 0.2925



50.4948, 0.3452, 0.3225



13.1864, 0.3196, 0.3146



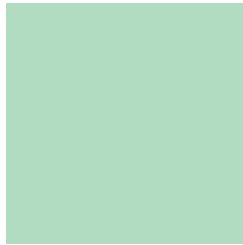
9.9985, 0.4456, 0.2228



0.6643, 0.4199, 0.2087

Previews

White Background



This preview shows how the Yxy color 64.5464, 0.3001, 0.3608 looks on a white background.

Color Contrast Check

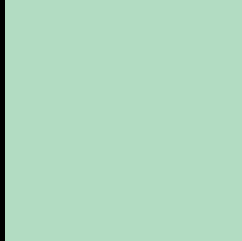
Large Text (above 18pt) WCAG AA × Fail

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 64.5464, 0.3001, 0.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

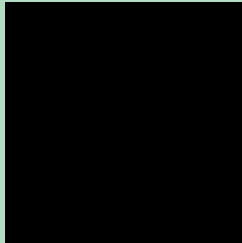
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

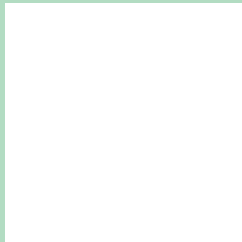
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.5464, 0.3001, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 64.5464, 0.3001, 0.3608.

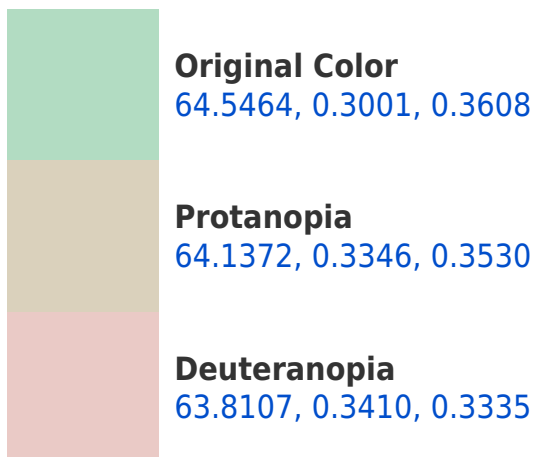


This preview shows how white text looks on a background with the Yxy color 64.5464, 0.3001, 0.3608.

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

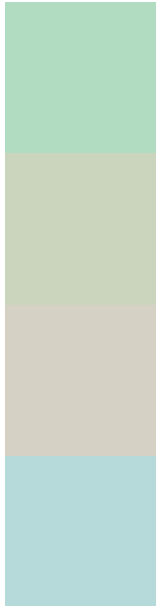




Tritanopia

64.7414, 0.2812, 0.3092

Trichromacy



Original Color

64.5464, 0.3001, 0.3608

Protanomaly

64.0027, 0.3211, 0.3561

Deuteranomaly

63.9283, 0.3250, 0.3428

Tritanomaly

64.6327, 0.2878, 0.3277

Monochromacy



Original Color

64.5464, 0.3001, 0.3608

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.8654, 0.3085, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5464, 0.3001, 0.3608 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(178, 220, 194)` looks like.

```
.text, #text, p{  
    color:rgb(178, 220, 194)  
}
```

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(178, 220, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 220, 194) }
```

Border

The CSS property to change the border of an element to Yxy 64.5464, 0.3001, 0.3608 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(178, 220, 194) }
```

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

```
.border{ border-color:rgb(178, 220, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 220, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 220, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 220, 194);  
box-shadow:4px 4px 4px 4px rgb(178, 220,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5464, 0.3001, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 220, 194) }
```

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

```
.background{ background-color: rgb(178,  
220, 194) }
```

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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