

Converting Colors

$Yxy(64.1852, 0.3023, 0.3778)$

Have a look what the booklet for
Yxy(64.1852, 0.3023, 0.3778)
contains.

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Color

Yxy(64.3194, 0.3022, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	ABDEB7
RGB	171, 222, 183
RGB Percent	67%, 87%, 72%
CMY	0.3295, 0.1294, 0.2823
CMYK	0.23, 0.00, 0.18, 0.13
HSL	134°, 44%, 77%
HSV	134°, 23%, 87%
XYZ	51.4623, 64.3194, 54.5106
YIQ	202.3050, -17.8770, -22.9410

Conversions

Conversions Part 2

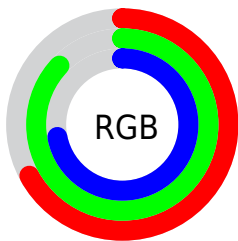
Format	Color
RYB	171, 212, 222
Decimal	11263671
CIELab	84.13, -24.08, 13.83
CIELCh	84, 27.769, 150.121
Yxy	64.3194, 0.3022, 0.3777
Android (android.graphics.Color)	4289453751 (0xFFABDEB7)
YUV	202.3050, -9.5174, -27.4545
Hunter-Lab	80.1994, -25.8090, 15.8409

Details

The Yxy color **64.3194, 0.3022, 0.3777** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.3042, 0.3253, 0.2848**, and the grayscale version is **59.3327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0829, 0.3046, 0.3452**, and **33.1007, 0.2993, 0.3913** is the 20% darker color. If you saturate the color by 10%, you get **61.3705, 0.2979, 0.4030**, and if you desaturate by 10%, it is **67.7776, 0.3068, 0.3549**.

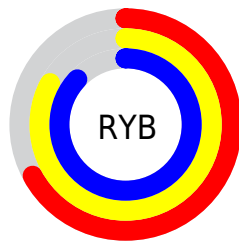
Distribution



Red (67%)

Green (87%)

Blue (72%)



Red (67%)

Yellow (83%)

Blue (87%)

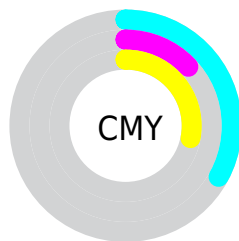


Cyan (23%)

Magenta (0%)

Yellow (18%)

Black (13%)



Cyan (33%)


Magenta (13%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3194, 0.3022, 0.3777 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 64.3194, 0.3022, 0.3777 by changing the saturation by 10% instead.


 64.3194, 0.3022,
0.3777

 64.3194, 0.3022,
0.3777


440.3421, 0.3076,
0.3539

 46.9094, 0.3008,
0.3835


 111.0708, 0.3042,
0.3692

 32.9641, 0.2991,
0.3908

141.1810, 0.3049,
0.3659

 22.0989, 0.2967,
0.4004


176.2934, 0.3055,
0.3632

 13.9296, 0.2934,
0.4136

216.7924, 0.3060,
0.3608

 8.0717, 0.2884,
0.4325

263.0624, 0.3065,
0.3587

 4.1409, 0.2802,
0.4621

315.4877, 0.3069,

 1.7527, 0.2657,

0.3569

0.5171

374.4528, 0.3073,
0.3553

0.4574, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.3194, 0.3022,
0.3777

64.3194, 0.3022,
0.3777

61.3705, 0.2979,
0.4030

67.7776, 0.3068,
0.3549

58.8989, 0.2941,
0.4304

71.7592, 0.3114,
0.3346

56.8813, 0.2910,
0.4592

76.2879, 0.3159,
0.3167

55.2893, 0.2890,
0.4883

80.4635, 0.3169,
0.3008

■ 54.0914, 0.2883,
0.5164

■ 80.7258, 0.3142,
0.2970

■ 53.2512, 0.2891,
0.5419

■ 52.7254, 0.2912,
0.5632

■ 52.4969, 0.2931,
0.5752

Harmonies

Analogous

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



64.3194, 0.3370, 0.3912



64.3194, 0.3022, 0.3777



64.3194, 0.2714, 0.3486

Triad

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



64.3194, 0.3022, 0.3777



64.3194, 0.2602, 0.2737



64.3194, 0.3772, 0.3374

Complementary

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



64.3194, 0.3022, 0.3777



49.3042, 0.3253, 0.2848

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.



64.3194, 0.3544, 0.3092



64.3194, 0.3022, 0.3777



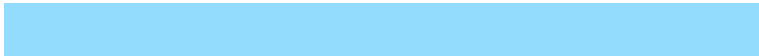
64.3194, 0.2861, 0.2736

Square

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



64.3194, 0.3022, 0.3777



64.3194, 0.2482, 0.2879



64.3194, 0.3204, 0.2865



64.3194, 0.3815, 0.3651

Rectangle

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



64.3194, 0.3022, 0.3777



64.3194, 0.2570, 0.3259



64.3194, 0.3204, 0.2865



64.3194, 0.3714, 0.3277

Sweetspot

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



64.3221, 0.3022, 0.3777



95.9227, 0.3095, 0.3425



68.9023, 0.3382, 0.3879



20.4599, 0.3092, 0.3438



0.0000, 0.0000, 0.0000



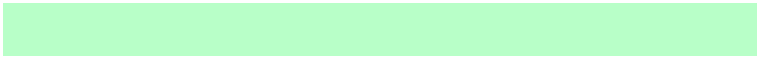
21.4041, 0.3127, 0.3290

Same Dimension

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



64.3221, 0.3022, 0.3777



85.8515, 0.2999, 0.3906



65.4764, 0.2868, 0.3455



15.3900, 0.3084, 0.3474



31.1946, 0.2925, 0.5730



2.1761, 0.2843, 0.5435

Inverse Universe

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



49.3042, 0.3253, 0.2848



61.5578, 0.3288, 0.2744



48.1378, 0.3475, 0.3132



13.8775, 0.3174, 0.3113



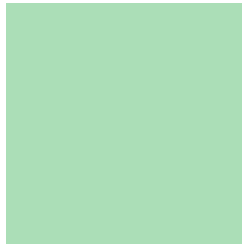
10.9586, 0.3910, 0.1927



0.7731, 0.3779, 0.1856

Previews

White Background



This preview shows how the Yxy color 64.3194, 0.3022, 0.3777 looks on a white background.

Color Contrast Check

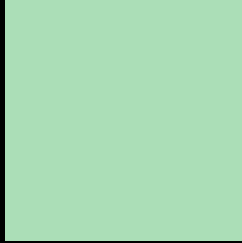
Large Text (above 18pt) WCAG AA × Fail

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 64.3194, 0.3022, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

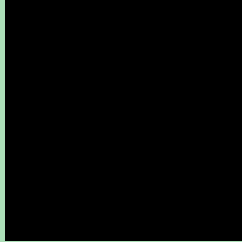
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

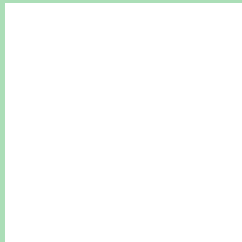
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3194, 0.3022, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 64.3194, 0.3022, 0.3777.

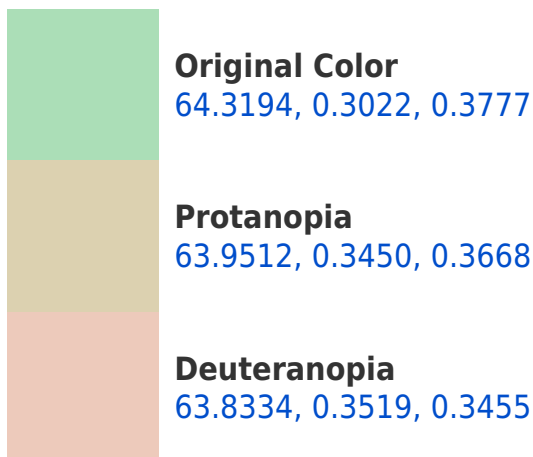


This preview shows how white text looks on a background with the Yxy color 64.3194, 0.3022, 0.3777.

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

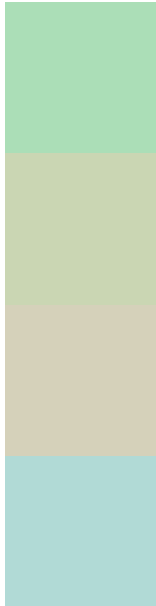




Tritanopia

64.1304, 0.2780, 0.3091

Trichromacy



Original Color

64.3194, 0.3022, 0.3777

Protanomaly

63.9044, 0.3279, 0.3706

Deuteranomaly

63.2922, 0.3321, 0.3557

Tritanomaly

64.3450, 0.2870, 0.3337

Monochromacy



Original Color

64.3194, 0.3022, 0.3777

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.6174, 0.3089, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3194, 0.3022, 0.3777 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(171, 222, 183)` looks like.

```
.text, #text, p{  
    color:rgb(171, 222, 183)  
}
```

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(171, 222, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 222, 183) }
```

Border

The CSS property to change the border of an element to Yxy 64.3194, 0.3022, 0.3777 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(171, 222, 183) }
```

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

```
.border{ border-color:rgb(171, 222, 183) }
```

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

Here you see how a box with a 4 pixel rgb(171, 222, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 222, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 222, 183);  
box-shadow:4px 4px 4px 4px rgb(171, 222,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3194, 0.3022, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 222, 183) }
```

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

```
.background{ background-color: rgb(171,  
222, 183) }
```

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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