

Converting Colors

$Yxy(62.7898, 0.2961, 0.3779)$

Have a look what the booklet for
Yxy(62.7898, 0.2961, 0.3779)
contains.

Yxy(62.8132, 0.2962, 0.3774)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.8132, 0.2962, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	A2DDB7
RGB	162, 221, 183
RGB Percent	64%, 87%, 72%
CMY	0.3648, 0.1333, 0.2824
CMYK	0.27, 0.00, 0.17, 0.13
HSL	141°, 46%, 75%
HSV	141°, 27%, 87%
XYZ	49.2985, 62.8132, 54.3249
YIQ	199.0270, -22.9660, -24.3260

Conversions

Conversions Part 2

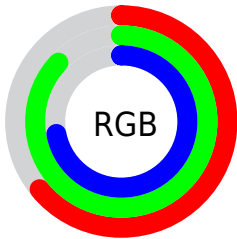
Format	Color
RYB	162, 206, 221
Decimal	10673591
CIELab	83.34, -26.48, 12.66
CIELCh	83, 29.345, 154.451
Yxy	62.8132, 0.2962, 0.3774
Android (android.graphics.Color)	4288863671 (0xFFA2DDB7)
YUV	199.0270, -7.9013, -32.4727
Hunter-Lab	79.2548, -27.6642, 14.8382

Details

The Yxy color **62.8132, 0.2962, 0.3774** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.3718, 0.3341, 0.2851**, and the grayscale version is **57.1877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6574, 0.2992, 0.3454**, and **32.1354, 0.2918, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **60.1388, 0.2907, 0.3992**, and if you desaturate by 10%, it is **65.9594, 0.3022, 0.3576**.

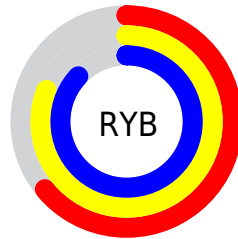
Distribution



Red (64%)

Green (87%)

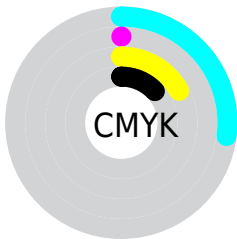
Blue (72%)



Red (64%)

Yellow (81%)

Blue (87%)

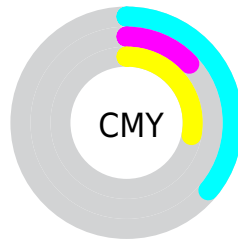


Cyan (27%)

Magenta (0%)

Yellow (17%)

Black (13%)



Cyan (36%)


Magenta (13%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8132, 0.2962, 0.3774 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 62.8132, 0.2962, 0.3774 by changing the saturation by 10% instead.

 62.8132, 0.2962,
0.3774

 62.8132, 0.2962,
0.3774


434.8912, 0.3044,
0.3536

 45.6901, 0.2942,
0.3832


 108.9000, 0.2992,
0.3688

 32.0013, 0.2915,
0.3906


 138.6324, 0.3003,
0.3656

 21.3625, 0.2881,
0.4003


173.3368, 0.3013,
0.3629

 13.3893, 0.2833,
0.4136

213.3975, 0.3021,
0.3605

 7.6971, 0.2762,
0.4330

259.1989, 0.3028,
0.3584

 3.9018, 0.2648,
0.4636

311.1254, 0.3034,

 1.6188, 0.2444,

0.3566

0.5221

369.5614, 0.3039,
0.3550

0.3702, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.8132, 0.2962,
0.3774

62.8132, 0.2962,
0.3774

60.1388, 0.2907,
0.3992

65.9594, 0.3022,
0.3576

57.9054, 0.2860,
0.4227

69.5911, 0.3085,
0.3398

56.0904, 0.2824,
0.4473


73.7308, 0.3148,
0.3240


54.6662, 0.2802,
0.4725


78.3977, 0.3210,
0.3102


 53.6017, 0.2798,
0.4972

 80.1438, 0.3148,
0.2968

 52.8605, 0.2812,
0.5203

 80.1991, 0.3143,
0.2960

 52.3967, 0.2842,
0.5410

 52.2797, 0.2853,
0.5472

Harmonies

Analogous

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



62.8132, 0.3332, 0.3947



62.8132, 0.2962, 0.3774



62.8132, 0.2649, 0.3446

Triad

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



62.8132, 0.2962, 0.3774



62.8132, 0.2601, 0.2693



62.8132, 0.3835, 0.3421

Complementary

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



62.8132, 0.2962, 0.3774



45.3718, 0.3341, 0.2851

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.



62.8132, 0.3616, 0.3120



62.8132, 0.2962, 0.3774



62.8132, 0.2892, 0.2714

Square

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



62.8132, 0.2962, 0.3774



62.8132, 0.2451, 0.2821



62.8132, 0.3264, 0.2868



62.8132, 0.3849, 0.3710

Rectangle

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



62.8132, 0.2962, 0.3774



62.8132, 0.2510, 0.3204



62.8132, 0.3264, 0.2868



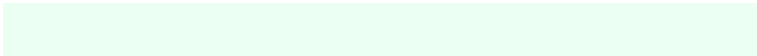
62.8132, 0.3783, 0.3319

Sweetspot

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



62.8158, 0.2962, 0.3774



95.5170, 0.3076, 0.3421



66.6535, 0.3370, 0.3991



20.2751, 0.3067, 0.3447



0.0000, 0.0000, 0.0000



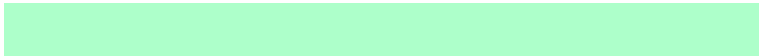
21.4041, 0.3127, 0.3290

Same Dimension

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



62.8158, 0.2962, 0.3774



84.7364, 0.2931, 0.3892



64.1582, 0.2789, 0.3398



14.6825, 0.3068, 0.3444



30.3861, 0.2845, 0.5443



1.9847, 0.2752, 0.5109

Inverse Universe

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



45.3718, 0.3341, 0.2851



56.7880, 0.3398, 0.2757



44.1362, 0.3615, 0.3186



13.1920, 0.3192, 0.3141



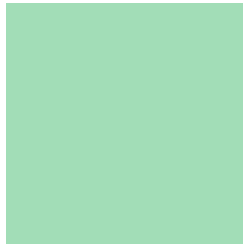
10.0915, 0.4357, 0.2174



0.6700, 0.4122, 0.2044

Previews

White Background



This preview shows how the Yxy color 62.8132, 0.2962, 0.3774 looks on a white background.

Color Contrast Check

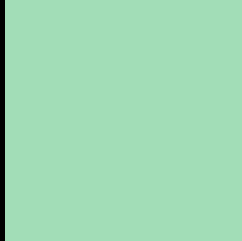
Large Text (above 18pt) WCAG AA × Fail

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 62.8132, 0.2962, 0.3774 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

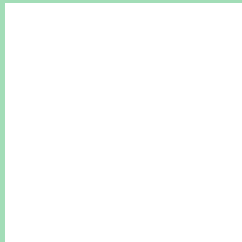
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8132, 0.2962, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 62.8132, 0.2962, 0.3774.

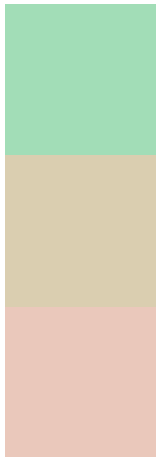


This preview shows how white text looks on a background with the Yxy color 62.8132, 0.2962, 0.3774.

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

62.8132, 0.2962, 0.3774

Protanopia

62.1826, 0.3440, 0.3637

Deuteranopia

62.3888, 0.3499, 0.3435



Tritanopia

62.5206, 0.2729, 0.3087

Trichromacy



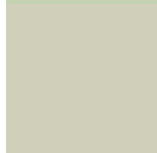
Original Color

62.8132, 0.2962, 0.3774



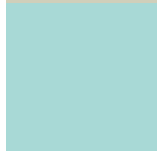
Protanomaly

61.8490, 0.3252, 0.3676



Deuteranomaly

62.0668, 0.3284, 0.3549



Tritanomaly

62.8056, 0.2812, 0.3326

Monochromacy



Original Color

62.8132, 0.2962, 0.3774



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

58.9150, 0.3067, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8132, 0.2962, 0.3774 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(162, 221, 183)` looks like.

```
.text, #text, p{  
    color:rgb(162, 221, 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(162, 221, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 221, 183) }
```

Border

The CSS property to change the border of an element to Yxy 62.8132, 0.2962, 0.3774 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(162, 221, 183) }
```

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

```
.border{ border-color:rgb(162, 221, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 221, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 221, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 221, 183);  
box-shadow:4px 4px 4px 4px rgb(162, 221,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8132, 0.2962, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 221, 183) }
```

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

```
.background{ background-color: rgb(162,  
221, 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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