

Converting Colors

$Yxy(64.5213, 0.2896, 0.3827)$

Have a look what the booklet for
Yxy(64.5213, 0.2896, 0.3827)
contains.

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Color

Yxy(64.5288, 0.2895, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	98E2B8
RGB	152, 226, 184
RGB Percent	60%, 89%, 72%
CMY	0.4038, 0.1137, 0.2784
CMYK	0.33, 0.00, 0.19, 0.11
HSL	146°, 56%, 74%
HSV	146°, 33%, 89%
XYZ	48.8012, 64.5288, 55.2406
YIQ	199.0860, -30.6220, -28.7500

Conversions

Conversions Part 2

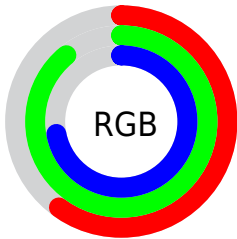
Format	Color
RYB	152, 204, 226
Decimal	10019512
CIELab	84.24, -31.70, 13.32
CIELCh	84, 34.378, 157.213
Yxy	64.5288, 0.2895, 0.3828
Android (android.graphics.Color)	4288209592 (0xFF98E2B8)
YUV	199.0860, -7.4374, -41.2944
Hunter-Lab	80.3298, -32.1366, 15.4588

Details

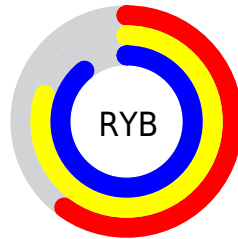
The Yxy color **64.5288, 0.2895, 0.3828** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.5271, 0.3458, 0.2810**, and the grayscale version is **57.2337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2212, 0.2928, 0.3446**, and **32.9848, 0.2829, 0.3970** is the 20% darker color. If you saturate the color by 10%, you get **62.0404, 0.2836, 0.4028**, and if you desaturate by 10%, it is **67.4868, 0.2962, 0.3644**.

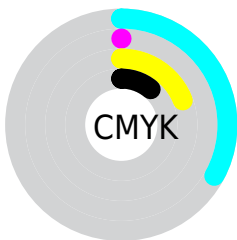
Distribution



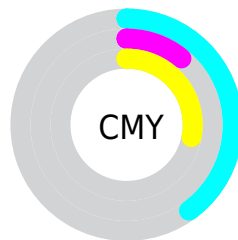
- Red (60%)
- Green (89%)
- Blue (72%)



- Red (60%)
- Yellow (80%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (19%)
- Black (11%)



- Cyan (40%)
- Magenta (11%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5288, 0.2895, 0.3828 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 64.5288, 0.2895, 0.3828 by changing the saturation by 10% instead.

 64.5288, 0.2895,
0.3828

 64.5288, 0.2895,
0.3828


441.0967, 0.3009,
0.3564

 47.0791, 0.2867,
0.3892

 111.3721, 0.2936,
0.3733

 33.0982, 0.2831,
0.3974


 141.5346, 0.2952,
0.3697

 22.2017, 0.2784,
0.4082


176.7034, 0.2965,
0.3667

 14.0052, 0.2720,
0.4229

217.2630, 0.2976,
0.3640

 8.1243, 0.2626,
0.4442

263.5977, 0.2986,
0.3617

 4.1746, 0.2478,
0.4777

316.0920, 0.2995,

 1.7717, 0.2208,

0.3597

375.1302, 0.3003,
0.3580

0.5398

0.4694, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.5288, 0.2895,
0.3828

64.5288, 0.2895,
0.3828

62.0404, 0.2836,
0.4028

67.4868, 0.2962,
0.3644

59.9886, 0.2788,
0.4241


70.9293, 0.3033,
0.3477

58.3488, 0.2755,
0.4463


74.8807, 0.3107,
0.3328

57.0902, 0.2740,
0.4687


79.3609, 0.3181,
0.3195

 56.1778, 0.2743,
0.4906

 82.4387, 0.3185,
0.3074

 55.5695, 0.2766,
0.5111

 82.8725, 0.3140,
0.3009

 55.2697, 0.2792,
0.5250

Harmonies

Analogous

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



64.5288, 0.3321, 0.4051



64.5288, 0.2895, 0.3828



64.5288, 0.2548, 0.3430

Triad

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



64.5288, 0.2895, 0.3828



64.5288, 0.2545, 0.2599



64.5288, 0.3963, 0.3467

Complementary

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



64.5288, 0.2895, 0.3828



42.5271, 0.3458, 0.2810

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.



64.5288, 0.3727, 0.3122



64.5288, 0.2895, 0.3828



64.5288, 0.2890, 0.2641

Square

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



64.5288, 0.2895, 0.3828



64.5288, 0.2358, 0.2725



64.5288, 0.3324, 0.2828



64.5288, 0.3952, 0.3796

Rectangle

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



64.5288, 0.2895, 0.3828



64.5288, 0.2401, 0.3148



64.5288, 0.3324, 0.2828



64.5288, 0.3909, 0.3350

Sweetspot

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



64.5315, 0.2895, 0.3828



94.5832, 0.3053, 0.3436



68.2856, 0.3386, 0.4172



20.0936, 0.3042, 0.3457



0.0000, 0.0000, 0.0000



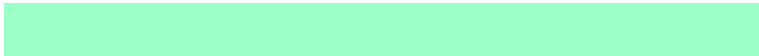
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5315, 0.2895, 0.3828



82.6465, 0.2856, 0.3957



66.2285, 0.2695, 0.3364



15.4352, 0.3057, 0.3426



31.5543, 0.2784, 0.5221



2.2049, 0.2699, 0.4917

Inverse Universe

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



42.5271, 0.3458, 0.2810



49.6388, 0.3548, 0.2712



41.1070, 0.3821, 0.3219



13.8302, 0.3204, 0.3158



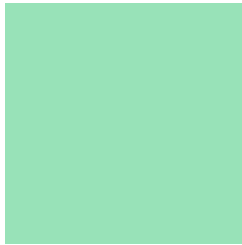
10.1414, 0.4669, 0.2345



0.7208, 0.4382, 0.2188

Previews

White Background



This preview shows how the Yxy color 64.5288, 0.2895, 0.3828 looks on a white background.

Color Contrast Check

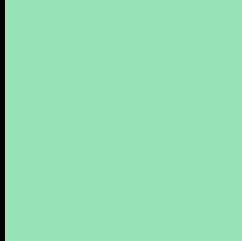
Large Text (above 18pt) WCAG AA × Fail

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 64.5288, 0.2895, 0.3828 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 64.5288, 0.2895, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 64.5288, 0.2895, 0.3828.

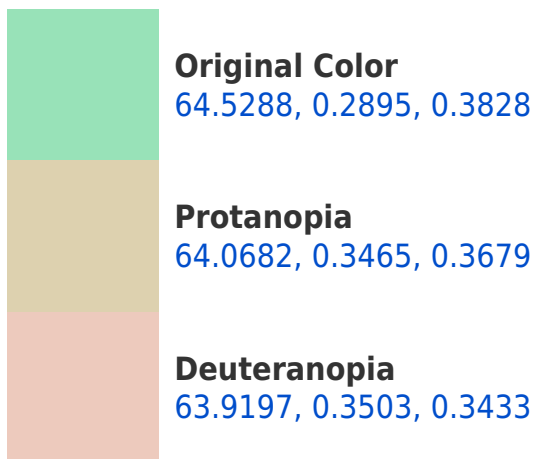


This preview shows how white text looks on a background with the Yxy color 64.5288, 0.2895, 0.3828.

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

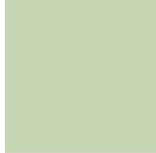
64.5057, 0.2660, 0.3087

Trichromacy



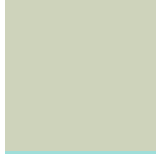
Original Color

64.5288, 0.2895, 0.3828



Protanomaly

63.5510, 0.3239, 0.3735



Deuteranomaly

63.2982, 0.3257, 0.3572



Tritanomaly

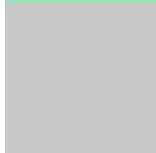
64.6232, 0.2745, 0.3350

Monochromacy



Original Color

64.5288, 0.2895, 0.3828



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.4411, 0.3030, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5288, 0.2895, 0.3828 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(152, 226, 184)` looks like.

```
.text, #text, p{  
    color:rgb(152, 226, 184)  
}
```

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(152, 226, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 226, 184) }
```

Border

The CSS property to change the border of an element to Yxy 64.5288, 0.2895, 0.3828 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(152, 226, 184) }
```

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

```
.border{ border-color:rgb(152, 226, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 226, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 226, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 226, 184); box-shadow:4px 4px 4px 4px rgb(152, 226, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5288, 0.2895, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 226, 184) }
```

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

```
.background{ background-color: rgb(152,  
226, 184) }
```

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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