

Converting Colors

$Y_{xy}(59.1272, 0.2810, 0.3685)$

Have a look what the booklet for
Yxy(59.1272, 0.2810, 0.3685)
contains.

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Color

Yxy(58.9643, 0.2810, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	8ED9BB
RGB	142, 217, 187
RGB Percent	56%, 85%, 73%
CMY	0.4431, 0.1490, 0.2667
CMYK	0.35, 0.00, 0.14, 0.15
HSL	156°, 50%, 70%
HSV	156°, 35%, 85%
XYZ	44.9389, 58.9643, 56.0217
YIQ	191.1550, -35.0700, -25.2300

Conversions

Conversions Part 2

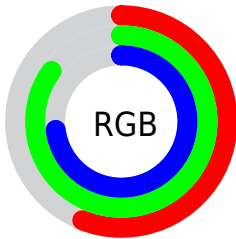
Format	Color
RYB	142, 189, 217
Decimal	9361851
CIELab	81.27, -29.75, 7.45
CIELCh	81, 30.673, 165.945
Yxy	58.9643, 0.2810, 0.3687
Android (android.graphics.Color)	4287551931 (0xFF8ED9BB)
YUV	191.1550, -2.0484, -43.1089
Hunter-Lab	76.7882, -29.9155, 10.4961

Details

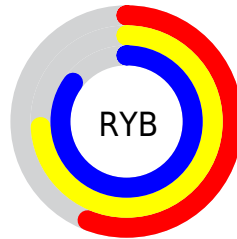
The Yxy color **58.9643, 0.2810, 0.3687** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.0825, 0.3613, 0.2929**, and the grayscale version is **52.2250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9968, 0.2856, 0.3416**, and **29.6366, 0.2723, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **56.8694, 0.2736, 0.3826**, and if you desaturate by 10%, it is **61.4602, 0.2895, 0.3559**.

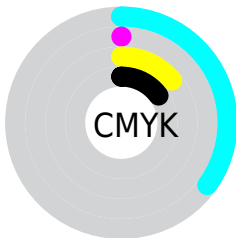
Distribution



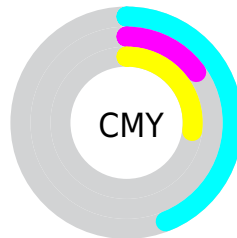
- Red (56%)
- Green (85%)
- Blue (73%)



- Red (56%)
- Yellow (74%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (14%)
- Black (15%)



- Cyan (44%)
- Magenta (15%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9643, 0.2810, 0.3687 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 58.9643, 0.2810, 0.3687 by changing the saturation by 10% instead.


 58.9643, 0.2810,
0.3687


 58.9643, 0.2810,
0.3687

420.7696, 0.2965,
0.3491

 42.5844, 0.2773,
0.3735


 103.3258, 0.2865,
0.3616

 29.5592, 0.2725,
0.3796


 132.0761, 0.2886,
0.3590

 19.5042, 0.2663,
0.3877


165.7187, 0.2904,
0.3567

 12.0352, 0.2579,
0.3989

204.6380, 0.2920,
0.3548

 6.7676, 0.2457,
0.4152

249.2183, 0.2933,
0.3531

 3.3172, 0.2268,
0.4412

299.8441, 0.2945,

 1.2995, 0.1770,

0.3516

0.5004

356.8997, 0.2955,
0.3503

■ 0.1408, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9643, 0.2810,
0.3687

■ 58.9643, 0.2810,
0.3687

■ 56.8694, 0.2736,
0.3826

■ 61.4602, 0.2895,
0.3559

■ 55.1461, 0.2675,
0.3973


■ 64.3701, 0.2986,
0.3441


■ 53.7723, 0.2631,
0.4126


■ 67.7156, 0.3083,
0.3335


■ 52.7206, 0.2607,
0.4282


■ 71.5144, 0.3181,
0.3240

 51.9593, 0.2602,
0.4439


 75.7832, 0.3279,
0.3155

 51.4498, 0.2618,
0.4592

 77.1248, 0.3252,
0.3072

 51.2429, 0.2632,
0.4674

 77.6508, 0.3193,
0.2988

 78.1069, 0.3145,
0.2920

Harmonies

Analogous

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



58.9643, 0.3192, 0.3949



58.9643, 0.2810, 0.3687



58.9643, 0.2525, 0.3306

Triad

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



58.9643, 0.2810, 0.3687



58.9643, 0.2670, 0.2646



58.9643, 0.3916, 0.3551

Complementary

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



58.9643, 0.2810, 0.3687



37.0825, 0.3613, 0.2929

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.



58.9643, 0.3762, 0.3228



58.9643, 0.2810, 0.3687



58.9643, 0.3022, 0.2726

Square

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



58.9643, 0.2810, 0.3687



58.9643, 0.2449, 0.2719



58.9643, 0.3426, 0.2934



58.9643, 0.3842, 0.3834

Rectangle

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



58.9643, 0.2810, 0.3687



58.9643, 0.2420, 0.3058



58.9643, 0.3426, 0.2934



58.9643, 0.3890, 0.3444

Sweetspot

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



58.9667, 0.2810, 0.3687



94.8404, 0.3029, 0.3392



60.4944, 0.3303, 0.4252



20.1558, 0.3015, 0.3407



0.0000, 0.0000, 0.0000



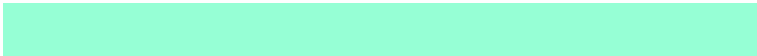
21.4041, 0.3127, 0.3290

Same Dimension

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



58.9667, 0.2810, 0.3687



82.8590, 0.2758, 0.3781



57.2283, 0.2630, 0.3208



14.7367, 0.3035, 0.3385



31.0404, 0.2626, 0.4652



2.0278, 0.2557, 0.4405

Inverse Universe

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



37.0825, 0.3613, 0.2929



47.0353, 0.3751, 0.2856



37.9687, 0.3916, 0.3369



13.1374, 0.3229, 0.3197



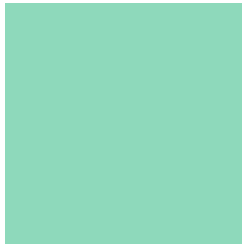
9.3645, 0.5366, 0.2730



0.6234, 0.4935, 0.2492

Previews

White Background



This preview shows how the Yxy color 58.9643, 0.2810, 0.3687 looks on a white background.

Color Contrast Check

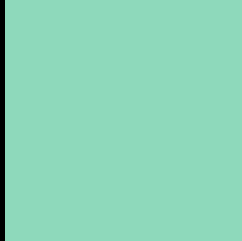
Large Text (above 18pt) WCAG AA × Fail

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 58.9643, 0.2810, 0.3687 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

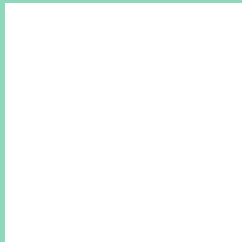
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.9643, 0.2810, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 58.9643, 0.2810, 0.3687.

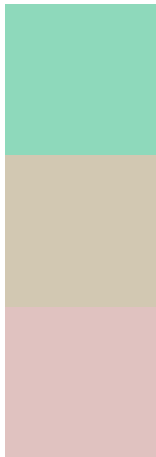


This preview shows how white text looks on a background with the Yxy color 58.9643, 0.2810, 0.3687.

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

58.9643, 0.2810, 0.3687

Protanopia

58.2245, 0.3371, 0.3552

Deuteranopia

58.2366, 0.3388, 0.3314



Tritanopia

58.7693, 0.2622, 0.3078

Trichromacy



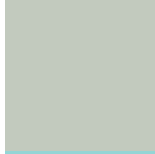
Original Color

58.9643, 0.2810, 0.3687



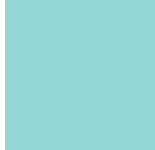
Protanomaly

57.7931, 0.3143, 0.3602



Deuteranomaly

57.4281, 0.3151, 0.3436



Tritanomaly

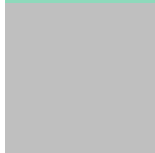
58.6885, 0.2691, 0.3289

Monochromacy



Original Color

58.9643, 0.2810, 0.3687



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

53.9105, 0.2991, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9643, 0.2810, 0.3687 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(142, 217, 187)` looks like.

```
.text, #text, p{  
    color:rgb(142, 217, 187)  
}
```

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(142, 217, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 217, 187) }
```

Border

The CSS property to change the border of an element to Yxy 58.9643, 0.2810, 0.3687 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(142, 217, 187) }
```

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

```
.border{ border-color:rgb(142, 217, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 217, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 217, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 217, 187);  
box-shadow:4px 4px 4px 4px rgb(142, 217,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9643, 0.2810, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 217, 187) }
```

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

```
.background{ background-color: rgb(142,  
217, 187) }
```

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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