

Converting Colors

$Yxy(58.6831, 0.2859, 0.3608)$

Have a look what the booklet for
Yxy(58.6831, 0.2859, 0.3608)
contains.

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Color

Yxy(58.5831, 0.2858, 0.3602)

Conversions

Conversions Part 1

Format	Color
Hex	99D6BE
RGB	153, 214, 190
RGB Percent	60%, 84%, 75%
CMY	0.3999, 0.1608, 0.2549
CMYK	0.28, 0.00, 0.11, 0.16
HSL	156°, 43%, 72%
HSV	156°, 28%, 84%
XYZ	46.4826, 58.5831, 57.5747
YIQ	193.0250, -28.6520, -20.3960

Conversions

Conversions Part 2

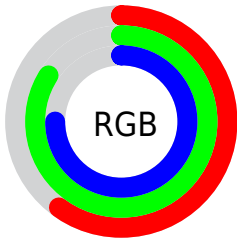
Format	Color
RYB	153, 191, 214
Decimal	10081982
CIELab	81.06, -24.44, 5.62
CIELCh	81, 25.076, 167.051
Yxy	58.5831, 0.2858, 0.3602
Android (android.graphics.Color)	4288272062 (0xFF99D6BE)
YUV	193.0250, -1.4913, -35.1019
Hunter-Lab	76.5396, -25.5409, 8.9785

Details

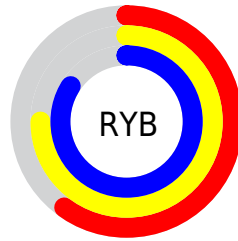
The Yxy color **58.5831, 0.2858, 0.3602** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.2653, 0.3506, 0.3000**, and the grayscale version is **53.3707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7291, 0.2902, 0.3383**, and **29.3117, 0.2784, 0.3681** is the 20% darker color. If you saturate the color by 10%, you get **56.3282, 0.2777, 0.3732**, and if you desaturate by 10%, it is **61.2375, 0.2948, 0.3482**.

Distribution



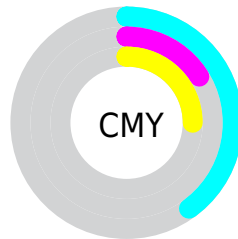
- Red (60%)
- Green (84%)
- Blue (75%)



- Red (60%)
- Yellow (75%)
- Blue (84%)



- Cyan (28%)
- Magenta (0%)
- Yellow (11%)
- Black (16%)





- Cyan (40%)
- Magenta (16%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5831, 0.2858, 0.3602 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 58.5831, 0.2858, 0.3602 by changing the saturation by 10% instead.


 58.5831, 0.2858,
0.3602

 58.5831, 0.2858,
0.3602


419.3552, 0.2989,
0.3449

 42.2776, 0.2826,
0.3639


 102.7715, 0.2905,
0.3547

 29.3187, 0.2786,
0.3687


 131.4232, 0.2923,
0.3526

 19.3221, 0.2734,
0.3750


164.9591, 0.2938,
0.3508

 11.9032, 0.2663,
0.3836

203.7636, 0.2951,
0.3493

 6.6778, 0.2561,
0.3961

248.2210, 0.2962,
0.3480

 3.2614, 0.2403,
0.4160

298.7158, 0.2972,

 1.2697, 0.2043,

0.3468

0.4571

355.6324, 0.2981,
0.3458

0.1176, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

58.5831, 0.2858,
0.3602

58.5831, 0.2858,
0.3602

56.3282, 0.2777,
0.3732

61.2375, 0.2948,
0.3482

54.4453, 0.2707,
0.3872

64.3031, 0.3044,
0.3374

52.9147, 0.2652,
0.4018

67.7998, 0.3142,
0.3276

51.7116, 0.2614,
0.4170

71.7442, 0.3242,
0.3189

■ 50.8083, 0.2597,
0.4324

■ 75.1846, 0.3303,
0.3110

■ 50.1718, 0.2600,
0.4477

■ 75.6752, 0.3244,
0.3027

■ 49.7527, 0.2621,
0.4626

■ 76.1889, 0.3187,
0.2947

■ 49.6975, 0.2625,
0.4648

■ 76.5718, 0.3146,
0.2891

Harmonies

Analogous

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



58.5831, 0.3172, 0.3818



58.5831, 0.2858, 0.3602



58.5831, 0.2624, 0.3295

Triad

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



58.5831, 0.2858, 0.3602



58.5831, 0.2760, 0.2756



58.5831, 0.3774, 0.3521

Complementary

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



58.5831, 0.2858, 0.3602



40.2653, 0.3506, 0.3000

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.



58.5831, 0.3653, 0.3252



58.5831, 0.2858, 0.3602



58.5831, 0.3055, 0.2826

Square

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



58.5831, 0.2858, 0.3602



58.5831, 0.2570, 0.2816



58.5831, 0.3385, 0.3004



58.5831, 0.3709, 0.3749

Rectangle

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



58.5831, 0.2858, 0.3602



58.5831, 0.2539, 0.3094



58.5831, 0.3385, 0.3004



58.5831, 0.3754, 0.3433

Sweetspot

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



58.5855, 0.2858, 0.3602



95.3360, 0.3038, 0.3380



59.7895, 0.3268, 0.4068



20.2552, 0.3023, 0.3395



0.0000, 0.0000, 0.0000



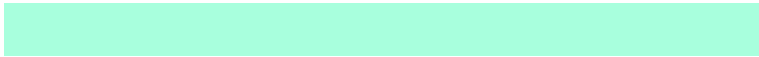
21.4041, 0.3127, 0.3290

Same Dimension

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



58.5855, 0.2858, 0.3602



85.0917, 0.2809, 0.3677



56.6943, 0.2708, 0.3211



14.0212, 0.3034, 0.3383



30.0607, 0.2619, 0.4627



1.8292, 0.2547, 0.4369

Inverse Universe

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



40.2653, 0.3506, 0.3000



53.6605, 0.3613, 0.2937



41.4385, 0.3730, 0.3367



12.5010, 0.3230, 0.3199



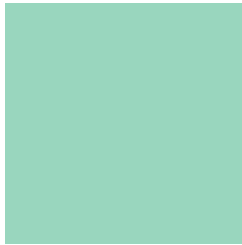
9.0492, 0.5390, 0.2743



0.5619, 0.4929, 0.2489

Previews

White Background



This preview shows how the Yxy color 58.5831, 0.2858, 0.3602 looks on a white background.

Color Contrast Check

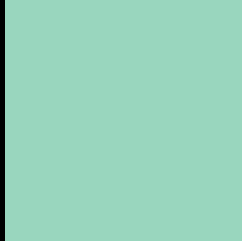
Large Text (above 18pt) WCAG AA × Fail

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 58.5831, 0.2858, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

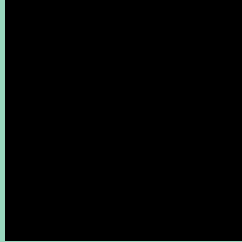
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

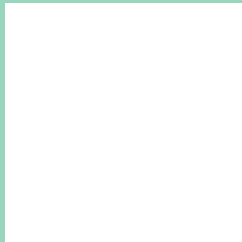
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.5831, 0.2858, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 58.5831, 0.2858, 0.3602.



This preview shows how white text looks on a background with the Yxy color 58.5831, 0.2858, 0.3602.

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

58.5831, 0.2858, 0.3602

Protanopia

58.0958, 0.3324, 0.3505

Deuteranopia

58.0082, 0.3356, 0.3291



Tritanopia

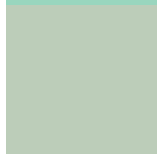
58.5655, 0.2683, 0.3080

Trichromacy



Original Color

58.5831, 0.2858, 0.3602



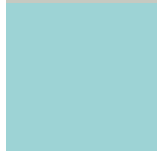
Protanomaly

57.8568, 0.3138, 0.3538



Deuteranomaly

57.4939, 0.3154, 0.3387



Tritanomaly

58.5607, 0.2743, 0.3264

Monochromacy



Original Color

58.5831, 0.2858, 0.3602



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

55.0440, 0.3015, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5831, 0.2858, 0.3602 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(153, 214, 190)` looks like.

```
.text, #text, p{  
    color:rgb(153, 214, 190)  
}
```

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(153, 214, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 214, 190) }
```

Border

The CSS property to change the border of an element to Yxy 58.5831, 0.2858, 0.3602 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(153, 214, 190) }
```

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

```
.border{ border-color:rgb(153, 214, 190) }
```

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

Here you see how a box with a 4 pixel rgb(153, 214, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 214, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 214, 190);  
box-shadow:4px 4px 4px 4px rgb(153, 214,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5831, 0.2858, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 214, 190) }
```

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

```
.background{ background-color: rgb(153,  
214, 190) }
```

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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