

Converting Colors

$Y_{xy}(57.8405, 0.2822, 0.3695)$

Have a look what the booklet for
Yxy(57.8405, 0.2822, 0.3695)
contains.

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Color

Yxy(57.8544, 0.2820, 0.3690)

Conversions

Conversions Part 1

Format	Color
Hex	8ED7B9
RGB	142, 215, 185
RGB Percent	56%, 84%, 73%
CMY	0.4430, 0.1569, 0.2746
CMYK	0.34, 0.00, 0.14, 0.16
HSL	155°, 48%, 70%
HSV	155°, 34%, 84%
XYZ	44.2139, 57.8544, 54.7187
YIQ	189.7530, -33.8780, -24.8060

Conversions

Conversions Part 2

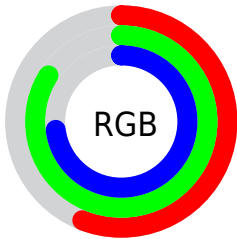
Format	Color
RYB	142, 188, 215
Decimal	9361337
CIELab	80.66, -29.21, 7.64
CIELCh	81, 30.196, 165.340
Yxy	57.8544, 0.2820, 0.3690
Android (android.graphics.Color)	4287551417 (0xFF8ED7B9)
YUV	189.7530, -2.3432, -41.8794
Hunter-Lab	76.0621, -29.3488, 10.5905

Details

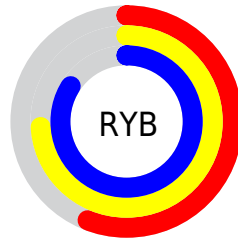
The Yxy color **57.8544, 0.2820, 0.3690** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.7838, 0.3592, 0.2926**, and the grayscale version is **51.3751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8766, 0.2866, 0.3438**, and **28.8823, 0.2733, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **55.7722, 0.2746, 0.3832**, and if you desaturate by 10%, it is **60.3313, 0.2904, 0.3558**.

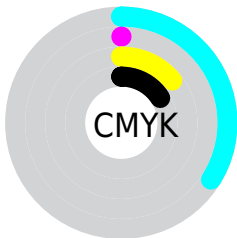
Distribution



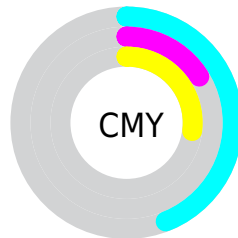
- Red (56%)
- Green (84%)
- Blue (73%)



- Red (56%)
- Yellow (74%)
- Blue (84%)



- Cyan (34%)
- Magenta (0%)
- Yellow (14%)
- Black (16%)



- Cyan (44%)
- Magenta (16%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8544, 0.2820, 0.3690 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 57.8544, 0.2820, 0.3690 by changing the saturation by 10% instead.


 57.8544, 0.2820,
0.3690


 57.8544, 0.2820,
0.3690

416.6432, 0.2970,
0.3492

 41.6916, 0.2783,
0.3739


 101.7108, 0.2874,
0.3618

 28.8599, 0.2737,
0.3801


 130.1732, 0.2894,
0.3591

 18.9749, 0.2676,
0.3884


163.5043, 0.2912,
0.3569

 11.6521, 0.2593,
0.3998

202.0884, 0.2927,
0.3549

 6.5073, 0.2472,
0.4166

246.3099, 0.2940,
0.3532

 3.1559, 0.2283,
0.4436

296.5533, 0.2951,

 1.2137, 0.1721,

0.3517

353.2029, 0.2961,
0.3504

0.5116

0.0728, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.8544, 0.2820,
0.3690

57.8544, 0.2820,
0.3690

55.7722, 0.2746,
0.3832

60.3313, 0.2904,
0.3558

54.0562, 0.2686,
0.3983


63.2159, 0.2994,
0.3438

52.6849, 0.2642,
0.4141


66.5288, 0.3089,
0.3330


51.6317, 0.2617,
0.4302


70.2875, 0.3186,
0.3233

 50.8658, 0.2612,
0.4463


 74.5084, 0.3282,
0.3146

 50.3501, 0.2627,
0.4621

 76.0382, 0.3261,
0.3062

 50.1213, 0.2643,
0.4714

 76.5714, 0.3200,
0.2977

 77.0816, 0.3145,
0.2901

Harmonies

Analogous

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



57.8544, 0.3200, 0.3946



57.8544, 0.2820, 0.3690



57.8544, 0.2534, 0.3314

Triad

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



57.8544, 0.2820, 0.3690



57.8544, 0.2668, 0.2652



57.8544, 0.3908, 0.3542

Complementary

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



57.8544, 0.2820, 0.3690



36.7838, 0.3592, 0.2926

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.



57.8544, 0.3750, 0.3222



57.8544, 0.2820, 0.3690



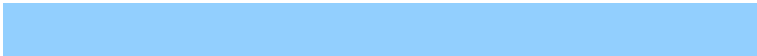
57.8544, 0.3015, 0.2728

Square

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



57.8544, 0.2820, 0.3690



57.8544, 0.2452, 0.2727



57.8544, 0.3415, 0.2932



57.8544, 0.3839, 0.3825

Rectangle

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



57.8544, 0.2820, 0.3690



57.8544, 0.2428, 0.3068



57.8544, 0.3415, 0.2932



57.8544, 0.3880, 0.3436

Sweetspot

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



57.8568, 0.2820, 0.3690



94.8228, 0.3030, 0.3395



59.3756, 0.3300, 0.4232



20.1516, 0.3017, 0.3411



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.



57.8568, 0.2820, 0.3690



82.7989, 0.2764, 0.3795



56.2220, 0.2638, 0.3210



14.0174, 0.3037, 0.3388



29.9997, 0.2636, 0.4691



1.8257, 0.2562, 0.4422

Inverse Universe

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



36.7838, 0.3592, 0.2926



47.0882, 0.3739, 0.2844



37.6165, 0.3896, 0.3367



12.5047, 0.3227, 0.3194



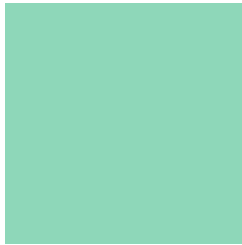
9.0873, 0.5317, 0.2703



0.5643, 0.4868, 0.2455

Previews

White Background



This preview shows how the Yxy color 57.8544, 0.2820, 0.3690 looks on a white background.

Color Contrast Check

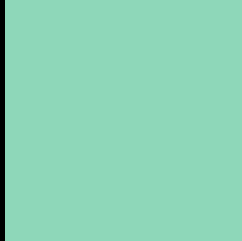
Large Text (above 18pt) WCAG AA × Fail

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 57.8544, 0.2820, 0.3690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

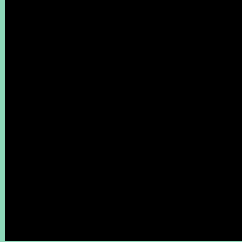
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

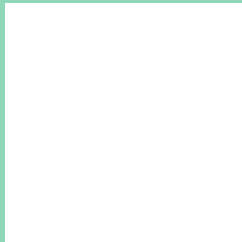
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.8544, 0.2820, 0.3690

Background



This preview shows how black text looks on a background with the Yxy color 57.8544, 0.2820, 0.3690.

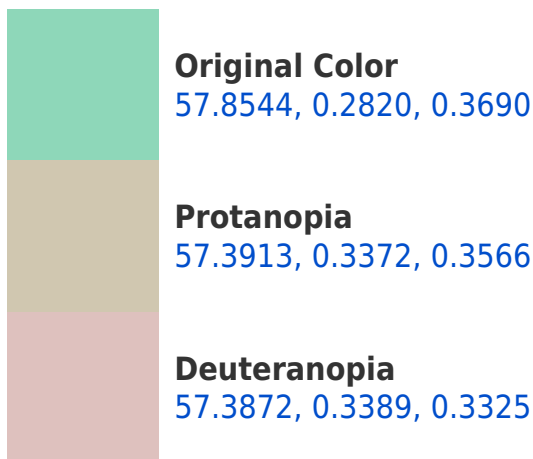


This preview shows how white text looks on a background with the Yxy color 57.8544, 0.2820, 0.3690.

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

57.6712, 0.2630, 0.3077

Trichromacy



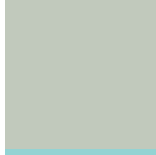
Original Color

57.8544, 0.2820, 0.3690



Protanomaly

57.1077, 0.3150, 0.3617



Deuteranomaly

56.7416, 0.3159, 0.3450



Tritanomaly

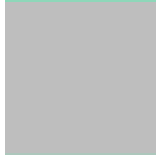
57.5876, 0.2699, 0.3289

Monochromacy



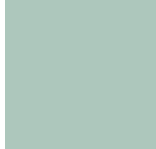
Original Color

57.8544, 0.2820, 0.3690



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.3619, 0.3005, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8544, 0.2820, 0.3690 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, 215, 185)` looks like.

```
.text, #text, p{  
    color:rgb(142, 215, 185)  
}
```

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, 215, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 215, 185) }
```

Border

The CSS property to change the border of an element to Yxy 57.8544, 0.2820, 0.3690 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, 215, 185) }
```

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

```
.border{ border-color:rgb(142, 215, 185) }
```

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

Here you see how a box with a 4 pixel rgb(142, 215, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 215, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 215, 185);  
box-shadow:4px 4px 4px 4px rgb(142, 215,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8544, 0.2820, 0.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 215, 185) }
```

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

```
.background{ background-color: rgb(142,  
215, 185) }
```

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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