

Converting Colors

$Yxy(57.8513, 0.2839, 0.3656)$

Have a look what the booklet for
Yxy(57.8513, 0.2839, 0.3656)
contains.

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Color

Yxy(57.8413, 0.2844, 0.3660)

Conversions

Conversions Part 1

Format	Color
Hex	93D6BA
RGB	147, 214, 186
RGB Percent	58%, 84%, 73%
CMY	0.4234, 0.1608, 0.2706
CMYK	0.31, 0.00, 0.13, 0.16
HSL	155°, 45%, 71%
HSV	155°, 31%, 84%
XYZ	44.9455, 57.8413, 55.2495
YIQ	190.7750, -30.9440, -22.9120

Conversions

Conversions Part 2

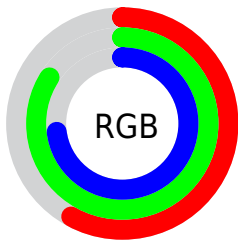
Format	Color
RYB	147, 189, 214
Decimal	9688762
CIELab	80.65, -27.06, 7.12
CIElCh	81, 27.977, 165.262
Yxy	57.8413, 0.2844, 0.3660
Android (android.graphics.Color)	4287878842 (0xFF93D6BA)
YUV	190.7750, -2.3541, -38.3907
Hunter-Lab	76.0535, -27.6049, 10.1658

Details

The Yxy color **57.8413, 0.2844, 0.3660** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.2685, 0.3539, 0.2950**, and the grayscale version is **51.9949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6273, 0.2889, 0.3426**, and **28.8694, 0.2768, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **55.6767, 0.2768, 0.3802**, and if you desaturate by 10%, it is **60.4025, 0.2929, 0.3529**.

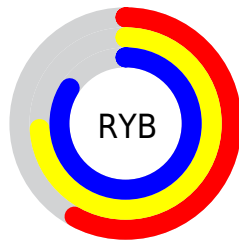
Distribution



Red (58%)

Green (84%)

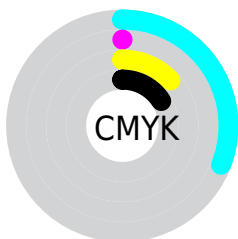
Blue (73%)



Red (58%)

Yellow (74%)

Blue (84%)

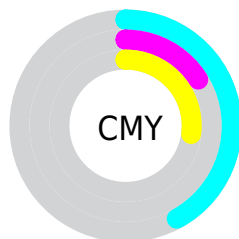


Cyan (31%)

Magenta (0%)

Yellow (13%)

Black (16%)



Cyan (42%)


Magenta (16%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8413, 0.2844, 0.3660 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 57.8413, 0.2844, 0.3660 by changing the saturation by 10% instead.


 57.8413, 0.2844,
0.3660


 57.8413, 0.2844,
0.3660


416.5943, 0.2983,
0.3477

 41.6811, 0.2810,
0.3705


 101.6917, 0.2894,
0.3594

 28.8516, 0.2768,
0.3763


 130.1507, 0.2913,
0.3569

 18.9686, 0.2712,
0.3838


163.4781, 0.2929,
0.3548

 11.6476, 0.2635,
0.3943

202.0582, 0.2942,
0.3530

 6.5042, 0.2524,
0.4097

246.2755, 0.2954,
0.3514

 3.1540, 0.2350,
0.4344

296.5144, 0.2965,

 1.2127, 0.1871,

0.3500

0.4931

353.1592, 0.2974,
0.3488

■ 0.0720, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.8413, 0.2844,
0.3660

■ 57.8413, 0.2844,
0.3660

■ 55.6767, 0.2768,
0.3802

■ 60.4025, 0.2929,
0.3529

■ 53.8807, 0.2704,
0.3953

■ 63.3724, 0.3020,
0.3410

■ 52.4328, 0.2656,
0.4112

■ 66.7714, 0.3115,
0.3303

■ 51.3075, 0.2626,
0.4275

■ 70.6165, 0.3211,
0.3207

■ 50.4755, 0.2616,
0.4439

■ 74.9234, 0.3306,
0.3123

■ 49.9023, 0.2627,
0.4600

■ 75.6251, 0.3250,
0.3036

■ 49.5615, 0.2649,
0.4737

■ 76.1691, 0.3189,
0.2950

■ 76.5728, 0.3146,
0.2891

Harmonies

Analogous

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



57.8413, 0.3197, 0.3895



57.8413, 0.2844, 0.3660



57.8413, 0.2577, 0.3314

Triad

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



57.8413, 0.2844, 0.3660



57.8413, 0.2700, 0.2695



57.8413, 0.3850, 0.3527

Complementary

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



57.8413, 0.2844, 0.3660



38.2685, 0.3539, 0.2950

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.



57.8413, 0.3704, 0.3228



57.8413, 0.2844, 0.3660



57.8413, 0.3023, 0.2766

Square

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



57.8413, 0.2844, 0.3660



57.8413, 0.2498, 0.2768



57.8413, 0.3394, 0.2957



57.8413, 0.3788, 0.3788

Rectangle

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



57.8413, 0.2844, 0.3660



57.8413, 0.2477, 0.3087



57.8413, 0.3394, 0.2957



57.8413, 0.3824, 0.3428

Sweetspot

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



57.8437, 0.2844, 0.3660



95.3015, 0.3041, 0.3386



59.4361, 0.3297, 0.4149



20.2467, 0.3027, 0.3402



0.0000, 0.0000, 0.0000



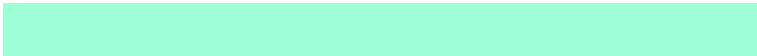
21.4041, 0.3127, 0.3290

Same Dimension

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



57.8437, 0.2844, 0.3660



83.6793, 0.2789, 0.3759



56.9244, 0.2674, 0.3232



14.0160, 0.3038, 0.3389



29.9781, 0.2643, 0.4714



1.8245, 0.2567, 0.4441

Inverse Universe

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



38.2685, 0.3539, 0.2950



49.8533, 0.3671, 0.2871



38.6958, 0.3819, 0.3347



12.5061, 0.3226, 0.3193



9.1015, 0.5290, 0.2688



0.5653, 0.4845, 0.2443

Previews

White Background



This preview shows how the Yxy color 57.8413, 0.2844, 0.3660 looks on a white background.

Color Contrast Check

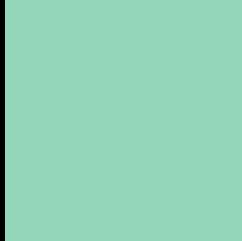
Large Text (above 18pt) WCAG AA × Fail

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 57.8413, 0.2844, 0.3660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

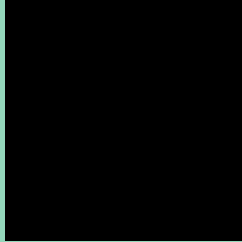
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

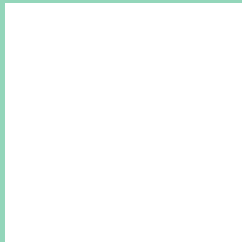
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.8413, 0.2844, 0.3660

Background



This preview shows how black text looks on a background with the Yxy color 57.8413, 0.2844, 0.3660.



This preview shows how white text looks on a background with the Yxy color 57.8413, 0.2844, 0.3660.

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

57.8413, 0.2844, 0.3660

Protanopia

57.4711, 0.3357, 0.3541

Deuteranopia

57.3872, 0.3389, 0.3325



Tritanopia

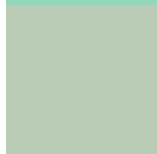
57.5166, 0.2657, 0.3077

Trichromacy



Original Color

57.8413, 0.2844, 0.3660



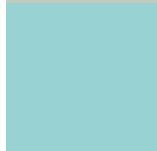
Protanomaly

56.9610, 0.3152, 0.3578



Deuteranomaly

57.0495, 0.3167, 0.3436



Tritanomaly

57.4717, 0.2722, 0.3276

Monochromacy



Original Color

57.8413, 0.2844, 0.3660



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

53.6349, 0.3013, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8413, 0.2844, 0.3660 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(147, 214, 186)` looks like.

```
.text, #text, p{  
    color:rgb(147, 214, 186)  
}
```

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(147, 214, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 214, 186) }
```

Border

The CSS property to change the border of an element to Yxy 57.8413, 0.2844, 0.3660 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(147, 214, 186) }
```

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

```
.border{ border-color:rgb(147, 214, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 214, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 214, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 214, 186);  
box-shadow:4px 4px 4px 4px rgb(147, 214,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8413, 0.2844, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 214, 186) }
```

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

```
.background{ background-color: rgb(147,  
214, 186) }
```

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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