

Converting Colors

$Y_{xy}(43.5908, 0.2975, 0.3506)$

Have a look what the booklet for
Yxy(43.5908, 0.2975, 0.3506)
contains.

Yxy(43.6874, 0.2977, 0.3518)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.6874, 0.2977, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	97B8A8
RGB	151, 184, 168
RGB Percent	59%, 72%, 66%
CMY	0.4079, 0.2784, 0.3412
CMYK	0.18, 0.00, 0.09, 0.28
HSL	151°, 19%, 66%
HSV	151°, 18%, 72%
XYZ	36.9691, 43.6874, 43.5260
YIQ	172.3090, -14.5320, -11.9720

Conversions

Conversions Part 2

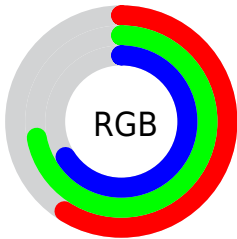
Format	Color
RYB	151, 173, 184
Decimal	9943208
CIELab	72.02, -14.41, 4.43
CIElCh	72, 15.076, 162.926
Yxy	43.6874, 0.2977, 0.3518
Android (android.graphics.Color)	4288133288 (0xFF97B8A8)
YUV	172.3090, -2.1243, -18.6880
Hunter-Lab	66.0964, -15.8300, 7.2237

Details

The Yxy color $43.6874, 0.2977, 0.3518$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $35.1124, 0.3309, 0.3073$, and the grayscale version is $41.4360, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7697, 0.3009, 0.3475$, and $20.2029, 0.2936, 0.3590$ is the 20% darker color. If you saturate the color by 10%, you get $41.7427, 0.2898, 0.3665$, and if you desaturate by 10%, it is $45.9334, 0.3060, 0.3385$.

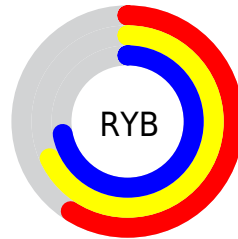
Distribution



Red (59%)

Green (72%)

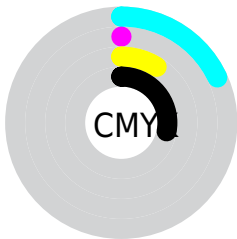
Blue (66%)



Red (59%)

Yellow (68%)

Blue (72%)

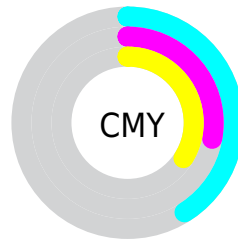


Cyan (18%)

Magenta (0%)

Yellow (9%)

Black (28%)



Cyan (41%)


Magenta (28%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6874, 0.2977, 0.3518 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 43.6874, 0.2977, 0.3518 by changing the saturation by 10% instead.


 43.6874, 0.2977,
0.3518


 43.6874, 0.2977,
0.3518


361.4311, 0.3054,
0.3401

 30.4248, 0.2957,
0.3548

 80.7472, 0.3005,
0.3475

 20.1613, 0.2932,
0.3588


 105.3131, 0.3016,
0.3459

 12.5123, 0.2897,
0.3642


134.4157, 0.3025,
0.3445

 7.0936, 0.2847,
0.3719

168.4392, 0.3032,
0.3434

 3.5207, 0.2769,
0.3840

207.7681, 0.3039,
0.3424

 1.4092, 0.2633,
0.4056

252.7868, 0.3044,

 0.2235, 0.0000,

0.3415

1.0000

303.8797, 0.3049,
0.3408

0.0000, 0.0000,
0.0000

43.6874, 0.2977,
0.3518

43.6874, 0.2977,
0.3518

41.7427, 0.2898,
0.3665

45.9334, 0.3060,
0.3385

40.0806, 0.2827,
0.3825

48.4875, 0.3145,
0.3267

38.6887, 0.2765,
0.3997

51.3631, 0.3230,
0.3161

37.5517, 0.2717,
0.4179

54.5713, 0.3313,
0.3068

36.6524, 0.2686,
0.4366

58.1225, 0.3395,
0.2986

■ 35.9717, 0.2673,
0.4556

■ 60.7932, 0.3420,
0.2908

■ 35.4870, 0.2680,
0.4742

■ 61.2833, 0.3348,
0.2821

■ 35.1636, 0.2704,
0.4920

■ 61.7990, 0.3278,
0.2737

■ 35.1054, 0.2710,
0.4956

■ 62.3408, 0.3210,
0.2655

Harmonies

Analogous

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



43.6874, 0.3191, 0.3645



43.6874, 0.2977, 0.3518



43.6874, 0.2807, 0.3325

Triad

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



43.6874, 0.2977, 0.3518



43.6874, 0.2860, 0.2930



43.6874, 0.3550, 0.3427

Complementary

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



43.6874, 0.2977, 0.3518



35.1124, 0.3309, 0.3073

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.



43.6874, 0.3455, 0.3244



43.6874, 0.2977, 0.3518



43.6874, 0.3052, 0.2964

Square

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



43.6874, 0.2977, 0.3518



43.6874, 0.2742, 0.2988



43.6874, 0.3271, 0.3077



43.6874, 0.3526, 0.3583

Rectangle

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



43.6874, 0.2977, 0.3518



43.6874, 0.2740, 0.3191



43.6874, 0.3271, 0.3077



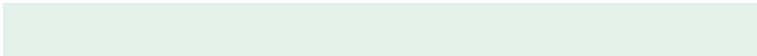
43.6874, 0.3531, 0.3366

Sweetspot

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



43.6892, 0.2977, 0.3518



84.5251, 0.3084, 0.3350



44.7878, 0.3246, 0.3750



18.1544, 0.3078, 0.3359



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



43.6892, 0.2977, 0.3518



77.5654, 0.2942, 0.3581



44.3233, 0.2861, 0.3289



10.1353, 0.3048, 0.3403



24.2069, 0.2704, 0.4935



0.8658, 0.2575, 0.4470

Inverse Universe

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



35.1124, 0.3309, 0.3073



58.7800, 0.3364, 0.3016



34.5563, 0.3468, 0.3291



9.0829, 0.3214, 0.3180



7.5373, 0.4994, 0.2525



0.2782, 0.4416, 0.2206

Previews

White Background



This preview shows how the Yxy color 43.6874, 0.2977, 0.3518 looks on a white background.

Color Contrast Check

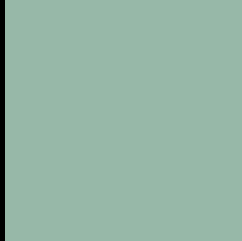
Large Text (above 18pt) WCAG AA × Fail

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 43.6874, 0.2977, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

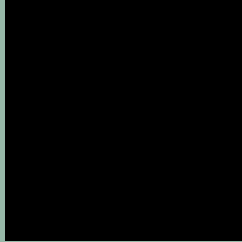
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

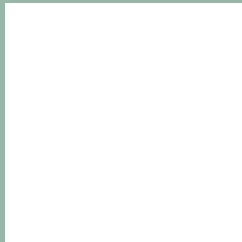
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6874, 0.2977, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 43.6874, 0.2977, 0.3518.



This preview shows how white text looks on a background with the Yxy color 43.6874, 0.2977, 0.3518.

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

43.6874, 0.2977, 0.3518

Protanopia

43.2494, 0.3291, 0.3451

Deuteranopia

43.2918, 0.3349, 0.3278



Tritanopia

43.6055, 0.2826, 0.3098

Trichromacy



Original Color

43.6874, 0.2977, 0.3518

Protanomaly

43.2153, 0.3171, 0.3469

Deuteranomaly

43.1459, 0.3204, 0.3357

Tritanomaly

43.4206, 0.2875, 0.3234

Monochromacy



Original Color

43.6874, 0.2977, 0.3518

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.8835, 0.3063, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6874, 0.2977, 0.3518 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(151, 184, 168)` looks like.

```
.text, #text, p{  
    color:rgb(151, 184, 168)  
}
```

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(151, 184, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 184, 168) }
```

Border

The CSS property to change the border of an element to Yxy 43.6874, 0.2977, 0.3518 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(151, 184, 168) }
```

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

```
.border{ border-color:rgb(151, 184, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 184, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 184, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 184, 168);  
box-shadow:4px 4px 4px 4px rgb(151, 184,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6874, 0.2977, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 184, 168) }
```

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

```
.background{ background-color: rgb(151,  
184, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor