

Converting Colors

$Yxy(48.3148, 0.2835, 0.3673)$

Have a look what the booklet for
Yxy(48.3148, 0.2835, 0.3673)
contains.

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Color

Yxy(48.3968, 0.2839, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	86C6AB
RGB	134, 198, 171
RGB Percent	53%, 78%, 67%
CMY	0.4744, 0.2235, 0.3295
CMYK	0.32, 0.00, 0.14, 0.22
HSL	155°, 36%, 65%
HSV	155°, 32%, 78%
XYZ	37.3772, 48.3968, 45.8822
YIQ	175.7860, -29.4770, -21.9650

Conversions

Conversions Part 2

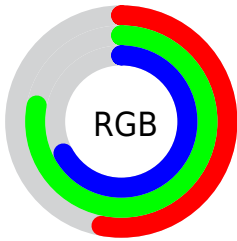
Format	Color
RYB	134, 175, 198
Decimal	8832683
CIELab	75.07, -26.24, 7.08
CIELCh	75, 27.183, 164.897
Yxy	48.3968, 0.2839, 0.3676
Android (android.graphics.Color)	4287022763 (0xFF86C6AB)
YUV	175.7860, -2.3595, -36.6463
Hunter-Lab	69.5678, -25.8397, 9.5938

Details

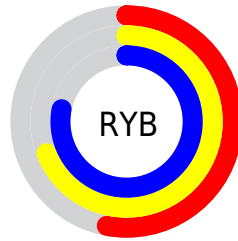
The Yxy color **48.3968, 0.2839, 0.3676** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.6405, 0.3551, 0.2937**, and the grayscale version is **43.3259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8298, 0.2894, 0.3607**, and **23.0723, 0.2757, 0.3790** is the 20% darker color. If you saturate the color by 10%, you get **46.6118, 0.2765, 0.3820**, and if you desaturate by 10%, it is **50.5106, 0.2922, 0.3543**.

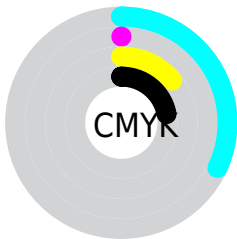
Distribution



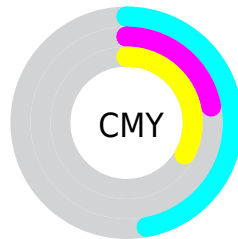
- Red (53%)
- Green (78%)
- Blue (67%)



- Red (53%)
- Yellow (69%)
- Blue (78%)



- Cyan (32%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)



- Cyan (47%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3968, 0.2839, 0.3676 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 48.3968, 0.2839, 0.3676 by changing the saturation by 10% instead.


 48.3968, 0.2839,
0.3676

 48.3968, 0.2839,
0.3676


380.3628, 0.2984,
0.3479


 34.1412, 0.2802,
0.3726


 87.7949, 0.2892,
0.3604

 23.0021, 0.2755,
0.3792


 113.7062, 0.2912,
0.3577

 14.5951, 0.2691,
0.3880


 144.2716, 0.2929,
0.3554

 8.5357, 0.2602,
0.4006

179.8754, 0.2943,
0.3535

 4.4396, 0.2467,
0.4200

220.9020, 0.2956,
0.3518

 1.9224, 0.2240,
0.4534

267.7359, 0.2966,

 0.5618, 0.0000,

0.3503

0.8282

320.7613, 0.2976,
0.3491

0.0000, 0.0000,
0.0000

48.3968, 0.2839,
0.3676

48.3968, 0.2839,
0.3676

46.6118, 0.2765,
0.3820

50.5106, 0.2922,
0.3543

45.1322, 0.2703,
0.3973

52.9633, 0.3012,
0.3422

43.9409, 0.2657,
0.4133

55.7719, 0.3105,
0.3313

43.0167, 0.2629,
0.4297

58.9505, 0.3200,
0.3216

42.3351, 0.2620,
0.4462

62.5122, 0.3294,
0.3130

■ 41.8669, 0.2632,
0.4624

■ 66.4698, 0.3387,
0.3054

■ 41.6111, 0.2652,
0.4746

■ 67.3363, 0.3340,
0.2973

■ 67.8166, 0.3277,
0.2892

■ 68.3197, 0.3216,
0.2813

Harmonies

Analogous

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



48.3968, 0.3203, 0.3917



48.3968, 0.2839, 0.3676



48.3968, 0.2563, 0.3319

Triad

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



48.3968, 0.2839, 0.3676



48.3968, 0.2684, 0.2678



48.3968, 0.3872, 0.3529

Complementary

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



48.3968, 0.2839, 0.3676



31.6405, 0.3551, 0.2937

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.



48.3968, 0.3719, 0.3221



48.3968, 0.2839, 0.3676



48.3968, 0.3015, 0.2749

Square

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



48.3968, 0.2839, 0.3676



48.3968, 0.2478, 0.2754



48.3968, 0.3397, 0.2944



48.3968, 0.3810, 0.3800

Rectangle

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



48.3968, 0.2839, 0.3676



48.3968, 0.2459, 0.3084



48.3968, 0.3397, 0.2944



48.3968, 0.3844, 0.3427

Sweetspot

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



48.3988, 0.2839, 0.3676



94.8056, 0.3032, 0.3398



49.7664, 0.3301, 0.4175



20.1474, 0.3019, 0.3414



0.0000, 0.0000, 0.0000



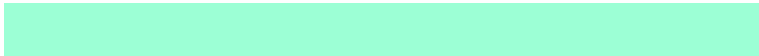
21.4041, 0.3127, 0.3290

Same Dimension

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



48.3988, 0.2839, 0.3676



83.3457, 0.2784, 0.3780



47.6148, 0.2663, 0.3230



11.9888, 0.3039, 0.3389



27.0777, 0.2646, 0.4725



1.2964, 0.2554, 0.4393

Inverse Universe

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



31.6405, 0.3551, 0.2937



48.9440, 0.3686, 0.2855



31.9902, 0.3845, 0.3349



10.7101, 0.3225, 0.3193



8.2370, 0.5263, 0.2673



0.4044, 0.4731, 0.2380

Previews

White Background



This preview shows how the Yxy color 48.3968, 0.2839, 0.3676 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 48.3968, 0.2839, 0.3676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

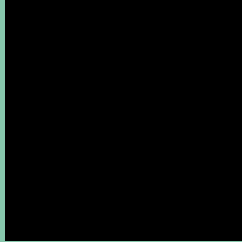
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

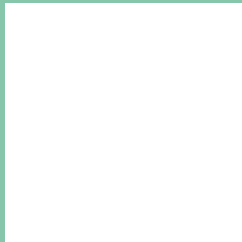
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3968, 0.2839, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 48.3968, 0.2839, 0.3676.



This preview shows how white text looks on a background with the Yxy color 48.3968, 0.2839, 0.3676.

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

48.3968, 0.2839, 0.3676

Protanopia

48.1318, 0.3365, 0.3561

Deuteranopia

47.9151, 0.3392, 0.3328



Tritanopia

48.4448, 0.2652, 0.3088

Trichromacy



Original Color

48.3968, 0.2839, 0.3676

Protanomaly

47.8063, 0.3154, 0.3600

Deuteranomaly

47.3376, 0.3162, 0.3435

Tritanomaly

48.4593, 0.2716, 0.3289

Monochromacy



Original Color

48.3968, 0.2839, 0.3676

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.9140, 0.3013, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3968, 0.2839, 0.3676 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(134, 198, 171)` looks like.

```
.text, #text, p{  
    color:rgb(134, 198, 171)  
}
```

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(134, 198, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 198, 171) }
```

Border

The CSS property to change the border of an element to Yxy 48.3968, 0.2839, 0.3676 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(134, 198, 171) }
```

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

```
.border{ border-color:rgb(134, 198, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 198, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 198, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 198, 171);  
box-shadow:4px 4px 4px 4px rgb(134, 198,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3968, 0.2839, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 198, 171) }
```

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

```
.background{ background-color: rgb(134,  
198, 171) }
```

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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