

Converting Colors

$Yxy(47.0334, 0.2855, 0.3899)$

Have a look what the booklet for
Yxy(47.0334, 0.2855, 0.3899)
contains.

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Color

Yxy(47.0334, 0.2855, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	7BC69D
RGB	123, 198, 157
RGB Percent	48%, 78%, 62%
CMY	0.5179, 0.2235, 0.3844
CMYK	0.38, 0.00, 0.21, 0.22
HSL	147°, 40%, 63%
HSV	147°, 38%, 78%
XYZ	34.4397, 47.0334, 39.1563
YIQ	170.9010, -31.5390, -28.6510

Conversions

Conversions Part 2

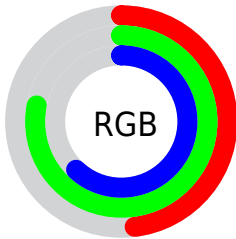
Format	Color
RYB	123, 175, 198
Decimal	8111773
CIELab	74.21, -32.38, 13.31
CIElCh	74, 35.011, 157.654
Yxy	47.0334, 0.2855, 0.3899
Android (android.graphics.Color)	4286301853 (0xFF7BC69D)
YUV	170.9010, -6.8532, -42.0092
Hunter-Lab	68.5809, -30.3781, 14.1550

Details

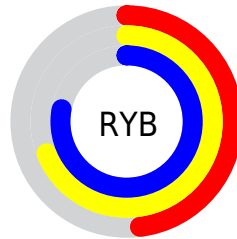
The Yxy color **47.0334, 0.2855, 0.3899** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.8349, 0.3543, 0.2756**, and the grayscale version is **40.7120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7384, 0.2906, 0.3775**, and **22.2892, 0.2769, 0.4087** is the 20% darker color. If you saturate the color by 10%, you get **45.3674, 0.2799, 0.4096**, and if you desaturate by 10%, it is **49.0313, 0.2920, 0.3716**.

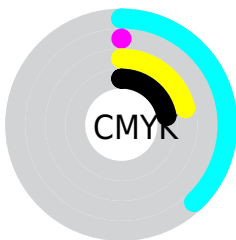
Distribution



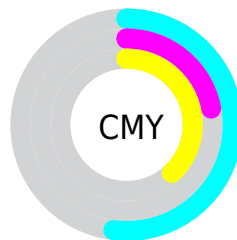
- Red (48%)
- Green (78%)
- Blue (62%)



- Red (48%)
- Yellow (69%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)




- Cyan (52%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0334, 0.2855, 0.3899 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 47.0334, 0.2855, 0.3899 by changing the saturation by 10% instead.


 47.0334, 0.2855,
0.3899


 47.0334, 0.2855,
0.3899


374.9478, 0.2997,
0.3583


 33.0621, 0.2818,
0.3982


 85.7635, 0.2908,
0.3781

 22.1740, 0.2769,
0.4091


 111.2910, 0.2927,
0.3738

 13.9848, 0.2702,
0.4240


 141.4394, 0.2944,
0.3701

 8.1101, 0.2604,
0.4456

176.5930, 0.2957,
0.3671

 4.1655, 0.2451,
0.4795

217.1363, 0.2969,
0.3644

 1.7666, 0.2166,
0.5429

263.4536, 0.2980,

 0.4662, 0.0000,

0.3621

1.0000

315.9293, 0.2989,
0.3601

0.0000, 0.0000,
0.0000

47.0334, 0.2855,
0.3899

47.0334, 0.2855,
0.3899

45.3674, 0.2799,
0.4096

49.0313, 0.2920,
0.3716

44.0087, 0.2757,
0.4304

51.3725, 0.2991,
0.3549

42.9385, 0.2730,
0.4517


54.0750, 0.3067,
0.3398

42.1334, 0.2722,
0.4730


57.1537, 0.3143,
0.3263


41.5660, 0.2734,
0.4937


60.6227, 0.3219,
0.3144

 41.1963, 0.2763,
0.5130

 64.4955, 0.3294,
0.3039

 41.1309, 0.2769,
0.5169

 67.5231, 0.3316,
0.2942

 68.1596, 0.3235,
0.2838

 68.8347, 0.3158,
0.2738

Harmonies

Analogous

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



47.0334, 0.3333, 0.4156



47.0334, 0.2855, 0.3899



47.0334, 0.2469, 0.3439

Triad

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



47.0334, 0.2855, 0.3899



47.0334, 0.2477, 0.2514



47.0334, 0.4076, 0.3488

Complementary

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



47.0334, 0.2855, 0.3899



28.8349, 0.3543, 0.2756

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.



47.0334, 0.3812, 0.3104



47.0334, 0.2855, 0.3899



47.0334, 0.2864, 0.2566

Square

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



47.0334, 0.2855, 0.3899



47.0334, 0.2267, 0.2648



47.0334, 0.3355, 0.2777



47.0334, 0.4057, 0.3858

Rectangle

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



47.0334, 0.2855, 0.3899



47.0334, 0.2309, 0.3117



47.0334, 0.3355, 0.2777



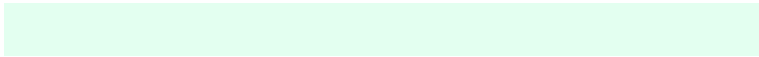
47.0334, 0.4017, 0.3357

Sweetspot

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



47.0353, 0.2855, 0.3899



94.1147, 0.3042, 0.3445



49.7406, 0.3399, 0.4321



20.0014, 0.3032, 0.3466



0.0000, 0.0000, 0.0000



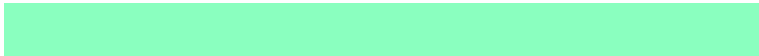
21.4041, 0.3127, 0.3290

Same Dimension

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



47.0353, 0.2855, 0.3899



80.6553, 0.2806, 0.4071



48.5082, 0.2626, 0.3341



11.9665, 0.3055, 0.3419



26.7603, 0.2762, 0.5144



1.2817, 0.2649, 0.4736

Inverse Universe

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



28.8349, 0.3543, 0.2756



43.6053, 0.3682, 0.2635



27.6803, 0.4003, 0.3242



10.7323, 0.3206, 0.3164



8.5318, 0.4746, 0.2388



0.4185, 0.4341, 0.2165

Previews

White Background



This preview shows how the Yxy color 47.0334, 0.2855, 0.3899 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 47.0334, 0.2855, 0.3899 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 47.0334, 0.2855, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 47.0334, 0.2855, 0.3899.



This preview shows how white text looks on a background with the Yxy color 47.0334, 0.2855, 0.3899.

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

47.0334, 0.2855, 0.3899

Protanopia

46.4241, 0.3489, 0.3708

Deuteranopia

46.3904, 0.3521, 0.3453



Tritanopia

46.8349, 0.2604, 0.3070

Trichromacy



Original Color

47.0334, 0.2855, 0.3899



Protanomaly

46.0231, 0.3230, 0.3775



Deuteranomaly

45.6351, 0.3250, 0.3601



Tritanomaly

47.0035, 0.2693, 0.3359

Monochromacy



Original Color

47.0334, 0.2855, 0.3899



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

42.6709, 0.3016, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0334, 0.2855, 0.3899 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(123, 198, 157)` looks like.

```
.text, #text, p{  
    color:rgb(123, 198, 157)  
}
```

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(123, 198, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 198, 157) }
```

Border

The CSS property to change the border of an element to Yxy 47.0334, 0.2855, 0.3899 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(123, 198, 157) }
```

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

```
.border{ border-color:rgb(123, 198, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 198, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 198, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 198, 157);  
box-shadow:4px 4px 4px 4px rgb(123, 198,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0334, 0.2855, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 198, 157) }
```

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

```
.background{ background-color: rgb(123,  
198, 157) }
```

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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