

Converting Colors

$Yxy(49.9953, 0.2871, 0.3968)$

Have a look what the booklet for
Yxy(49.9953, 0.2871, 0.3968)
contains.

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Color

Yxy(49.9800, 0.2873, 0.3974)

Conversions

Conversions Part 1

Format	Color
Hex	7DCC9D
RGB	125, 204, 157
RGB Percent	49%, 80%, 62%
CMY	0.5100, 0.2000, 0.3842
CMYK	0.39, 0.00, 0.23, 0.20
HSL	144°, 44%, 65%
HSV	144°, 39%, 80%
XYZ	36.1330, 49.9800, 39.6545
YIQ	175.0210, -31.9970, -31.3650

Conversions

Conversions Part 2

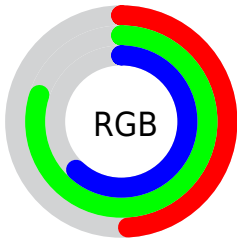
Format	Color
RYB	125, 181, 204
Decimal	8244381
CIELab	76.06, -34.59, 15.89
CIElCh	76, 38.065, 155.322
Yxy	49.9800, 0.2873, 0.3974
Android (android.graphics.Color)	4286434461 (0xFF7DCC9D)
YUV	175.0210, -8.8844, -43.8684
Hunter-Lab	70.6965, -32.4876, 16.2311

Details

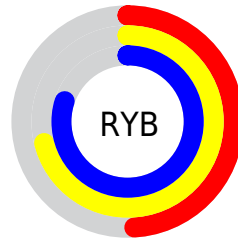
The Yxy color **49.9800, 0.2873, 0.3974** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.4702, 0.3513, 0.2698**, and the grayscale version is **42.9372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9768, 0.2917, 0.3774**, and **23.8751, 0.2787, 0.4172** is the 20% darker color. If you saturate the color by 10%, you get **48.2079, 0.2823, 0.4191**, and if you desaturate by 10%, it is **52.1126, 0.2932, 0.3772**.

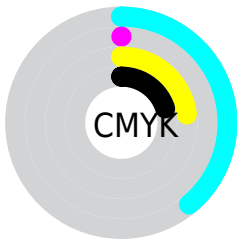
Distribution



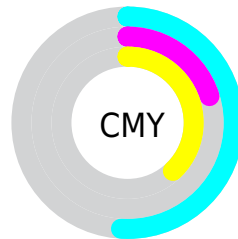
- Red (49%)
- Green (80%)
- Blue (62%)



- Red (49%)
- Yellow (71%)
- Blue (80%)



- Cyan (39%)
- Magenta (0%)
- Yellow (23%)
- Black (20%)





- Cyan (51%)
- Magenta (20%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9800, 0.2873, 0.3974 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 49.9800, 0.2873, 0.3974 by changing the saturation by 10% instead.


 49.9800, 0.2873,
0.3974


 49.9800, 0.2873,
0.3974


386.5877, 0.3006,
0.3621

 35.3975, 0.2838,
0.4066


 90.1452, 0.2923,
0.3843

 23.9692, 0.2792,
0.4186


 116.4968, 0.2941,
0.3795

 15.3108, 0.2728,
0.4349


 147.5401, 0.2956,
0.3754

 9.0378, 0.2636,
0.4583

183.6597, 0.2969,
0.3719

 4.7659, 0.2491,
0.4946

225.2398, 0.2980,
0.3690

 2.1105, 0.2236,
0.5583

272.6649, 0.2990,

 0.6705, 0.0000,

0.3664

1.0000

326.3194, 0.2999,
0.3641

0.0000, 0.0000,
0.0000

49.9800, 0.2873,
0.3974

49.9800, 0.2873,
0.3974

48.2079, 0.2823,
0.4191

52.1126, 0.2932,
0.3772

46.7695, 0.2786,
0.4419

54.6184, 0.2997,
0.3587

45.6440, 0.2764,
0.4651


57.5171, 0.3066,
0.3421

44.8056, 0.2761,
0.4881


60.8250, 0.3136,
0.3272

44.2239, 0.2776,
0.5099

64.5578, 0.3205,
0.3141


 43.8513, 0.2807,
0.5297

 68.7300, 0.3273,
0.3026

 43.8113, 0.2811,
0.5321

 70.8545, 0.3243,
0.2914

 71.6069, 0.3157,
0.2801

 71.6701, 0.3151,
0.2792

Harmonies

Analogous

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



49.9800, 0.3383, 0.4224



49.9800, 0.2873, 0.3974



49.9800, 0.2454, 0.3489

Triad

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



49.9800, 0.2873, 0.3974



49.9800, 0.2412, 0.2472



49.9800, 0.4127, 0.3463

Complementary

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



49.9800, 0.2873, 0.3974



30.4702, 0.3513, 0.2698

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.



49.9800, 0.3825, 0.3060



49.9800, 0.2873, 0.3974



49.9800, 0.2809, 0.2513

Square

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



49.9800, 0.2873, 0.3974



49.9800, 0.2208, 0.2626



49.9800, 0.3327, 0.2724



49.9800, 0.4128, 0.3861

Rectangle

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



49.9800, 0.2873, 0.3974



49.9800, 0.2274, 0.3141



49.9800, 0.3327, 0.2724



49.9800, 0.4057, 0.3326

Sweetspot

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



49.9821, 0.2873, 0.3974



93.5350, 0.3042, 0.3475



53.4842, 0.3437, 0.4336



19.8826, 0.3033, 0.3497



0.0000, 0.0000, 0.0000



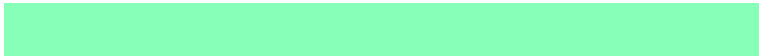
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9821, 0.2873, 0.3974



80.1349, 0.2828, 0.4166



51.5369, 0.2638, 0.3398



12.6112, 0.3062, 0.3431



27.5900, 0.2804, 0.5295



1.4383, 0.2694, 0.4897

Inverse Universe

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



30.4702, 0.3513, 0.2698



43.1040, 0.3639, 0.2567



29.1839, 0.3985, 0.3190



11.3237, 0.3199, 0.3153



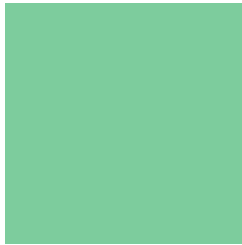
8.9712, 0.4551, 0.2280



0.4776, 0.4220, 0.2098

Previews

White Background



This preview shows how the Yxy color 49.9800, 0.2873, 0.3974 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 49.9800, 0.2873, 0.3974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

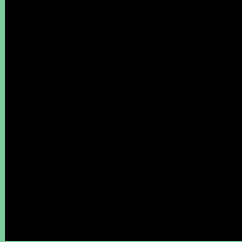
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9800, 0.2873, 0.3974

Background



This preview shows how black text looks on a background with the Yxy color 49.9800, 0.2873, 0.3974.



This preview shows how white text looks on a background with the Yxy color 49.9800, 0.2873, 0.3974.

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

49.9800, 0.2873, 0.3974

Protanopia

49.2935, 0.3530, 0.3761

Deuteranopia

49.3973, 0.3573, 0.3510



Tritanopia

50.0043, 0.2605, 0.3089

Trichromacy



Original Color

49.9800, 0.2873, 0.3974

Protanomaly

49.0649, 0.3255, 0.3846

Deuteranomaly

48.7570, 0.3285, 0.3673

Tritanomaly

50.1009, 0.2703, 0.3399

Monochromacy



Original Color

49.9800, 0.2873, 0.3974

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

45.1131, 0.3025, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9800, 0.2873, 0.3974 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(125, 204, 157)` looks like.

```
.text, #text, p{  
    color:rgb(125, 204, 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(125, 204, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 204, 157) }
```

Border

The CSS property to change the border of an element to Yxy 49.9800, 0.2873, 0.3974 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(125, 204, 157) }
```

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

```
.border{ border-color:rgb(125, 204, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 204, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 204, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 204, 157);  
box-shadow:4px 4px 4px 4px rgb(125, 204,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9800, 0.2873, 0.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 204, 157) }
```

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

```
.background{ background-color: rgb(125,  
204, 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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