

Converting Colors

$Yxy(48.9325, 0.2723, 0.3982)$

Have a look what the booklet for
Yxy(48.9325, 0.2723, 0.3982)
contains.

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Color

Yxy(48.9325, 0.2723, 0.3982)

Conversions

Conversions Part 1

Format	Color
Hex	65CD9F
RGB	101, 205, 159
RGB Percent	40%, 80%, 62%
CMY	0.6037, 0.1961, 0.3764
CMYK	0.51, 0.00, 0.22, 0.20
HSL	153°, 51%, 60%
HSV	153°, 51%, 80%
XYZ	33.4614, 48.9325, 40.4904
YIQ	168.6600, -47.2180, -36.3540

Conversions

Conversions Part 2

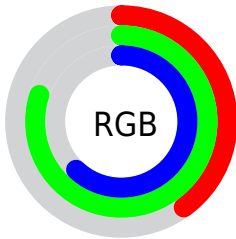
Format	Color
RYB	101, 168, 205
Decimal	6671775
CIELab	75.41, -40.95, 13.78
CIElCh	75, 43.210, 161.404
Yxy	48.9325, 0.2723, 0.3982
Android (android.graphics.Color)	4284861855 (0xFF65CD9F)
YUV	168.6600, -4.7624, -59.3378
Hunter-Lab	69.9518, -37.0303, 14.6473

Details

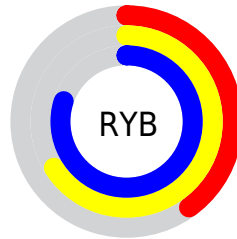
The Yxy color **48.9325, 0.2723, 0.3982** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.4033, 0.3901, 0.2712**, and the grayscale version is **39.5483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6441, 0.2791, 0.3765**, and **23.3253, 0.2605, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **47.5910, 0.2676, 0.4150**, and if you desaturate by 10%, it is **50.5962, 0.2785, 0.3822**.

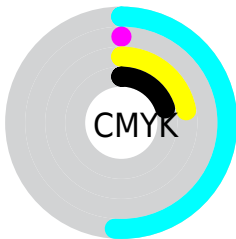
Distribution



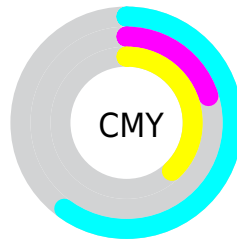
- Red (40%)
- Green (80%)
- Blue (62%)



- Red (40%)
- Yellow (66%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)





- Cyan (60%)
- Magenta (20%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9325, 0.2723, 0.3982 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 48.9325, 0.2723, 0.3982 by changing the saturation by 10% instead.

 48.9325, 0.2723,
0.3982


 48.9325, 0.2723,
0.3982

382.4765, 0.2931,
0.3623


 34.5659, 0.2670,
0.4076


 88.5912, 0.2800,
0.3849


 23.3287, 0.2600,
0.4198

 114.6521, 0.2828,
0.3799

 14.8364, 0.2506,
0.4366


 145.3799, 0.2852,
0.3758

 8.7047, 0.2372,
0.4607

 181.1591, 0.2872,
0.3723

 4.5490, 0.2167,
0.4982

222.3739, 0.2890,
0.3693

 1.9852, 0.1776,
0.5670

269.4088, 0.2905,

 0.5988, 0.0000,

0.3667

1.0000

322.6482, 0.2919,
0.3644

■ 0.0000, 0.0000,
0.0000

■ 48.9325, 0.2723,
0.3982

■ 48.9325, 0.2723,
0.3982

■ 47.5910, 0.2676,
0.4150

■ 50.5962, 0.2785,
0.3822

■ 46.5429, 0.2646,
0.4323

■ 52.5966, 0.2859,
0.3673

■ 45.7641, 0.2637,
0.4496

■ 54.9546, 0.2942,
0.3535

■ 45.2238, 0.2648,
0.4666

■ 57.6875, 0.3030,
0.3410

■ 44.8832, 0.2672,
0.4819

■ 60.8114, 0.3121,
0.3297

■ 64.3416, 0.3213,
0.3197

■ 68.2926, 0.3304,
0.3109

■ 70.7221, 0.3317,
0.3024

■ 71.2495, 0.3251,
0.2936

Harmonies

Analogous

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



48.9325, 0.3291, 0.4340



48.9325, 0.2723, 0.3982



48.9325, 0.2289, 0.3388

Triad

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



48.9325, 0.2723, 0.3982



48.9325, 0.2392, 0.2360



48.9325, 0.4300, 0.3569

Complementary

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



48.9325, 0.2723, 0.3982



24.4033, 0.3901, 0.2712

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.



48.9325, 0.4019, 0.3113



48.9325, 0.2723, 0.3982



48.9325, 0.2874, 0.2450

Square

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



48.9325, 0.2723, 0.3982



48.9325, 0.2119, 0.2480



48.9325, 0.3476, 0.2718



48.9325, 0.4223, 0.4008

Rectangle

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



48.9325, 0.2723, 0.3982



48.9325, 0.2123, 0.3000



48.9325, 0.3476, 0.2718



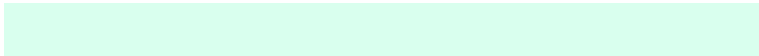
48.9325, 0.4245, 0.3414

Sweetspot

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



48.9345, 0.2723, 0.3982



92.4113, 0.2990, 0.3464



50.8813, 0.3383, 0.4734



19.5769, 0.2971, 0.3491



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.



48.9345, 0.2723, 0.3982



77.7517, 0.2672, 0.4168



48.3928, 0.2458, 0.3215



12.6400, 0.3041, 0.3394



27.9620, 0.2665, 0.4796



1.4576, 0.2575, 0.4471

Inverse Universe

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



24.4033, 0.3901, 0.2712



33.1057, 0.4170, 0.2613



24.2785, 0.4525, 0.3359



11.2947, 0.3222, 0.3188



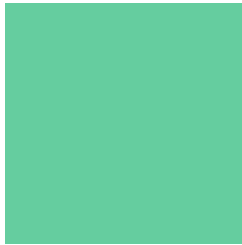
8.5652, 0.5184, 0.2630



0.4571, 0.4702, 0.2364

Previews

White Background



This preview shows how the Yxy color 48.9325, 0.2723, 0.3982 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 48.9325, 0.2723, 0.3982 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 48.9325, 0.2723, 0.3982

Background



This preview shows how black text looks on a background with the Yxy color 48.9325, 0.2723, 0.3982.

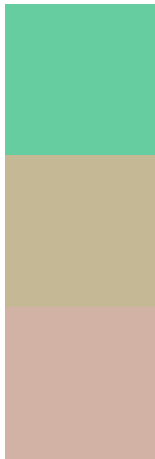


This preview shows how white text looks on a background with the Yxy color 48.9325, 0.2723, 0.3982.

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

48.9325, 0.2723, 0.3982

Protanopia

48.1867, 0.3518, 0.3739

Deuteranopia

48.2590, 0.3524, 0.3450



Tritanopia

48.9562, 0.2479, 0.3070

Trichromacy



Original Color

48.9325, 0.2723, 0.3982



Protanomaly

47.5762, 0.3166, 0.3833



Deuteranomaly

47.1568, 0.3169, 0.3630



Tritanomaly

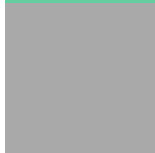
49.0478, 0.2568, 0.3388

Monochromacy



Original Color

48.9325, 0.2723, 0.3982



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.1018, 0.2943, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9325, 0.2723, 0.3982 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(101, 205, 159)` looks like.

```
.text, #text, p{  
    color:rgb(101, 205, 159)  
}
```

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(101, 205, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 205, 159) }
```

Border

The CSS property to change the border of an element to Yxy 48.9325, 0.2723, 0.3982 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(101, 205, 159) }
```

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

```
.border{ border-color:rgb(101, 205, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 205, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 205, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 205, 159);  
box-shadow:4px 4px 4px 4px rgb(101, 205,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9325, 0.2723, 0.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 205, 159) }
```

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

```
.background{ background-color: rgb(101,  
205, 159) }
```

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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