

Converting Colors

$Yxy(49.9198, 0.2733, 0.3399)$

Have a look what the booklet for
Yxy(49.9198, 0.2733, 0.3399)
contains.

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Color

Yxy(49.9268, 0.2733, 0.3399)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 89C7BF |
| RGB | 137, 199, 191 |
| RGB Percent | 54%, 78%, 75% |
| CMY | 0.4628, 0.2196, 0.2509 |
| CMYK | 0.31, 0.00, 0.04, 0.22 |
| HSL | 172°, 36%, 66% |
| HSV | 172°, 31%, 78% |
| XYZ | 40.1441, 49.9268, 56.8158 |
| YIQ | 179.5500, -34.3840, -15.6320 |

Conversions

Conversions Part 2

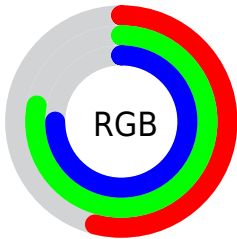
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 137, 170, 199 |
| Decimal | 9029567 |
| CIELab | 76.02, -21.51, -2.35 |
| CIELCh | 76, 21.641, 186.240 |
| Yxy | 49.9268, 0.2733, 0.3399 |
| Android (android.graphics.Color) | 4287219647 (0xFF89C7BF) |
| YUV | 179.5500, 5.6449, -37.3163 |
| Hunter-Lab | 70.6589, -22.2401, 1.7870 |

Details

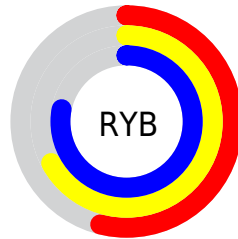
The Yxy color **49.9268, 0.2733, 0.3399** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.0777, 0.3736, 0.3186**, and the grayscale version is **45.3722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4419, 0.2803, 0.3374**, and **23.9706, 0.2623, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **48.2873, 0.2628, 0.3440**, and if you desaturate by 10%, it is **51.8825, 0.2850, 0.3361**.

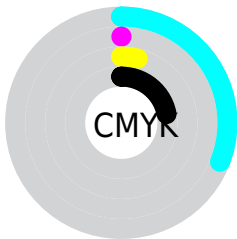
Distribution



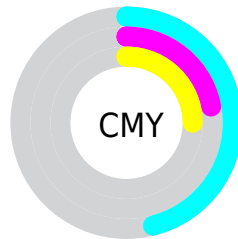
- Red (54%)
- Green (78%)
- Blue (75%)



- Red (54%)
- Yellow (67%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)





- Cyan (46%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9268, 0.2733, 0.3399 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 49.9268, 0.2733, 0.3399 by changing the saturation by 10% instead.

 49.9268, 0.2733,
0.3399

 49.9268, 0.2733,
0.3399


386.3796, 0.2926,
0.3347

 35.3552, 0.2686,
0.3411


 90.0664, 0.2802,
0.3381

 23.9366, 0.2626,
0.3427


 116.4033, 0.2829,
0.3373

 15.2866, 0.2547,
0.3447


 147.4306, 0.2851,
0.3367

 9.0208, 0.2439,
0.3473

183.5330, 0.2870,
0.3362

 4.7548, 0.2283,
0.3510

225.0946, 0.2887,
0.3358

 2.1041, 0.2038,
0.3564

272.5000, 0.2902,


 0.6669, 0.0653,


0.3354

0.4002

326.1336, 0.2915,
0.3350


 0.0000, 0.0000,
0.0000


 49.9268, 0.2733,
0.3399

 49.9268, 0.2733,
0.3399


 48.2873, 0.2628,
0.3440


 51.8825, 0.2850,
0.3361


 46.9408, 0.2539,
0.3482

 54.1641, 0.2977,
0.3326


 45.8707, 0.2467,
0.3526

 56.7883, 0.3111,
0.3294


 45.0559, 0.2413,
0.3571


 59.7690, 0.3249,
0.3264


 44.4727, 0.2379,
0.3616


 63.1191, 0.3389,
0.3238


 44.0927, 0.2363,
0.3661

 66.5845, 0.3518,
0.3215

 43.8791, 0.2361,
0.3700

 66.7105, 0.3498,
0.3189

 66.8386, 0.3477,
0.3163

 66.9688, 0.3457,
0.3137

Harmonies

Analogous

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



49.9268, 0.2981, 0.3658



49.9268, 0.2733, 0.3399



49.9268, 0.2592, 0.3121

Triad

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



49.9268, 0.2733, 0.3399



49.9268, 0.2958, 0.2829



49.9268, 0.3697, 0.3644

Complementary

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



49.9268, 0.2733, 0.3399



32.0777, 0.3736, 0.3186

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.



49.9268, 0.3694, 0.3416



49.9268, 0.2733, 0.3399



49.9268, 0.3256, 0.2960

Square

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



49.9268, 0.2733, 0.3399



49.9268, 0.2716, 0.2807



49.9268, 0.3530, 0.3170



49.9268, 0.3541, 0.3792

Rectangle

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



49.9268, 0.2733, 0.3399



49.9268, 0.2572, 0.2968



49.9268, 0.3530, 0.3170



49.9268, 0.3715, 0.3573

Sweetspot

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



49.9288, 0.2733, 0.3399



95.7151, 0.3004, 0.3319



48.6986, 0.3147, 0.4180



20.3489, 0.2985, 0.3324



0.0000, 0.0000, 0.0000



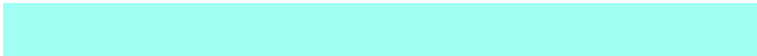
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9288, 0.2733, 0.3399



85.5219, 0.2665, 0.3425



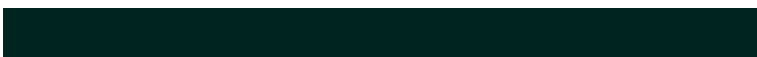
40.5980, 0.2647, 0.2968



12.0431, 0.3001, 0.3320



28.2232, 0.2360, 0.3694



1.3431, 0.2334, 0.3601

Inverse Universe

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



32.0777, 0.3736, 0.3186



49.6375, 0.3917, 0.3164



38.9982, 0.3736, 0.3589



10.6588, 0.3270, 0.3260



7.8620, 0.6220, 0.3200



0.3798, 0.5761, 0.2948

Previews

White Background



This preview shows how the Yxy color 49.9268, 0.2733, 0.3399 looks on a white background.

Color Contrast Check

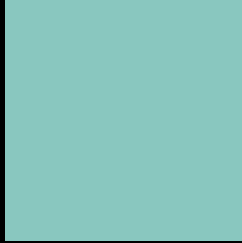
Large Text (above 18pt) WCAG AA × Fail

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 49.9268, 0.2733, 0.3399 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

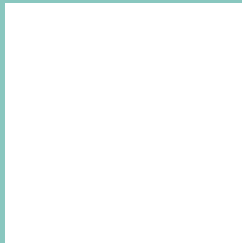
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9268, 0.2733, 0.3399

Background



This preview shows how black text looks on a background with the Yxy color 49.9268, 0.2733, 0.3399.

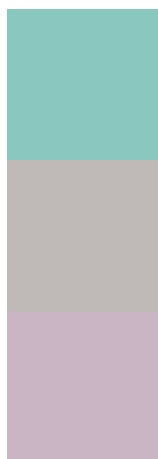


This preview shows how white text looks on a background with the Yxy color 49.9268, 0.2733, 0.3399.

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

49.9268, 0.2733, 0.3399

Protanopia

49.6131, 0.3193, 0.3328

Deuteranopia

49.4054, 0.3186, 0.3120



Tritanopia

49.9841, 0.2633, 0.3077

Trichromacy



Original Color

49.9268, 0.2733, 0.3399

Protanomaly

49.4647, 0.3004, 0.3355

Deuteranomaly

49.3265, 0.3001, 0.3213

Tritanomaly

49.8676, 0.2670, 0.3195

Monochromacy



Original Color

49.9268, 0.2733, 0.3399

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.8939, 0.2963, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9268, 0.2733, 0.3399 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(137, 199, 191)` looks like.

```
.text, #text, p{  
    color:rgb(137, 199, 191)  
}
```

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(137, 199, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 199, 191) }
```

Border

The CSS property to change the border of an element to Yxy 49.9268, 0.2733, 0.3399 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(137, 199, 191) }
```

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

```
.border{ border-color:rgb(137, 199, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 199, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 199, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 199, 191);  
box-shadow:4px 4px 4px 4px rgb(137, 199,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9268, 0.2733, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 199, 191) }
```

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

```
.background{ background-color: rgb(137,  
199, 191) }
```

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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