

Converting Colors

$Y_{xy}(49.3521, 0.2725, 0.3457)$

Have a look what the booklet for
Yxy(49.3521, 0.2725, 0.3457)
contains.

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Color

Yxy(49.3402, 0.2726, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	84C7BB
RGB	132, 199, 187
RGB Percent	52%, 78%, 73%
CMY	0.4824, 0.2196, 0.2667
CMYK	0.34, 0.00, 0.06, 0.22
HSL	169°, 37%, 65%
HSV	169°, 34%, 78%
XYZ	38.9070, 49.3402, 54.4783
YIQ	177.5990, -36.0800, -17.9360

Conversions

Conversions Part 2

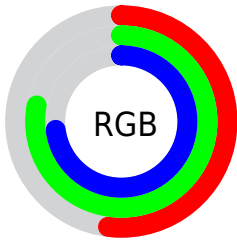
Format	Color
R_{YB}	132, 169, 199
Decimal	8701883
CIE _{Lab}	75.66, -23.85, -0.74
CIE _{LCh}	76, 23.858, 181.770
Yxy	49.3402, 0.2726, 0.3457
Android (android.graphics.Color)	4286891963 (0xFF84C7BB)
YUV	177.5990, 4.6347, -39.9903
Hunter-Lab	70.2426, -24.0544, 3.1860

Details

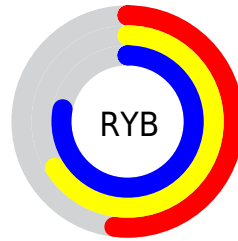
The Yxy color `49.3402, 0.2726, 0.3457` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `30.6591, 0.3764, 0.3133`, and the grayscale version is `44.2875, 0.3127, 0.3290`.

A 20% lighter version of the original color is `88.5559, 0.2796, 0.3418`, and `23.6343, 0.2616, 0.3503` is the 20% darker color. If you saturate the color by 10%, you get `47.7370, 0.2629, 0.3515`, and if you desaturate by 10%, it is `51.2572, 0.2835, 0.3403`.

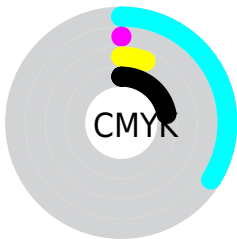
Distribution



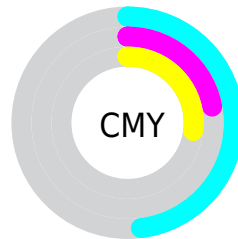
- Red (52%)
- Green (78%)
- Blue (73%)



- Red (52%)
- Yellow (66%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)




- Cyan (48%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3402, 0.2726, 0.3457 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 49.3402, 0.2726, 0.3457 by changing the saturation by 10% instead.

 49.3402, 0.2726,
0.3457

 49.3402, 0.2726,
0.3457


384.0801, 0.2924,
0.3375


 34.8894, 0.2678,
0.3477


 89.1965, 0.2797,
0.3428

 23.5777, 0.2616,
0.3502


 115.3708, 0.2824,
0.3417

 15.0207, 0.2535,
0.3535


 146.2218, 0.2847,
0.3407

 8.8339, 0.2423,
0.3581

182.1338, 0.2867,
0.3399

 4.6330, 0.2260,
0.3646

223.4913, 0.2884,
0.3392

 2.0336, 0.2003,
0.3748

270.6785, 0.2899,

 0.6269, 0.0099,

0.3386

0.4560

324.0800, 0.2912,
0.3380

0.0000, 0.0000,
0.0000

49.3402, 0.2726,
0.3457

49.3402, 0.2726,
0.3457

47.7370, 0.2629,
0.3515

51.2572, 0.2835,
0.3403

46.4241, 0.2548,
0.3576

53.4982, 0.2954,
0.3352

45.3843, 0.2484,
0.3639

56.0800, 0.3080,
0.3306

44.5960, 0.2439,
0.3703


59.0168, 0.3210,
0.3264


44.0344, 0.2414,
0.3768

62.3217, 0.3342,
0.3227

 43.6694, 0.2407,
0.3832

 66.0074, 0.3473,
0.3194

 43.5050, 0.2409,
0.3873

 66.8617, 0.3474,
0.3158

 67.0438, 0.3446,
0.3122

 67.2300, 0.3418,
0.3086

Harmonies

Analogous

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



49.3402, 0.3012, 0.3733



49.3402, 0.2726, 0.3457



49.3402, 0.2551, 0.3144

Triad

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



49.3402, 0.2726, 0.3457



49.3402, 0.2894, 0.2771



49.3402, 0.3769, 0.3645

Complementary

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



49.3402, 0.2726, 0.3457



30.6591, 0.3764, 0.3133

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.



49.3402, 0.3739, 0.3385



49.3402, 0.2726, 0.3457



49.3402, 0.3219, 0.2899

Square

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



49.3402, 0.2726, 0.3457



49.3402, 0.2644, 0.2766



49.3402, 0.3534, 0.3118



49.3402, 0.3619, 0.3829

Rectangle

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



49.3402, 0.2726, 0.3457



49.3402, 0.2515, 0.2966



49.3402, 0.3534, 0.3118



49.3402, 0.3781, 0.3563

Sweetspot

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



49.3422, 0.2726, 0.3457



95.1893, 0.2998, 0.3335



48.4702, 0.3173, 0.4256



20.2405, 0.2980, 0.3342



0.0000, 0.0000, 0.0000



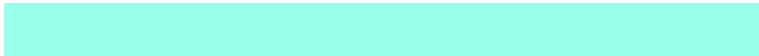
21.4041, 0.3127, 0.3290

Same Dimension

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



49.3422, 0.2726, 0.3457



84.3894, 0.2658, 0.3497



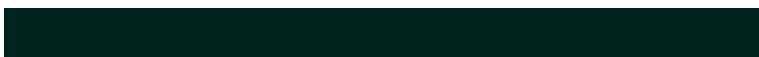
40.7851, 0.2615, 0.2988



12.0337, 0.3007, 0.3332



27.9846, 0.2407, 0.3864



1.3339, 0.2370, 0.3730

Inverse Universe

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



30.6591, 0.3764, 0.3133



46.9940, 0.3959, 0.3100



36.6624, 0.3814, 0.3572



10.6675, 0.3262, 0.3249



7.8977, 0.6108, 0.3139



0.3837, 0.5554, 0.2834

Previews

White Background



This preview shows how the Yxy color 49.3402, 0.2726, 0.3457 looks on a white background.

Color Contrast Check

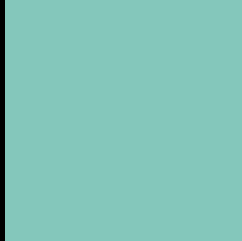
Large Text (above 18pt) WCAG AA × Fail

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 49.3402, 0.2726, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

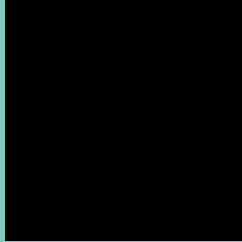
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

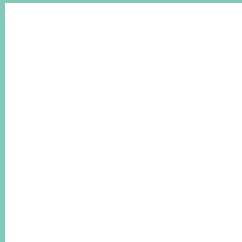
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3402, 0.2726, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 49.3402, 0.2726, 0.3457.

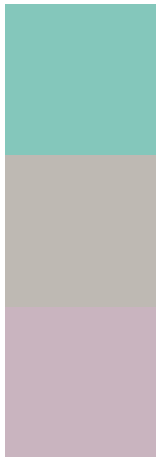


This preview shows how white text looks on a background with the Yxy color 49.3402, 0.2726, 0.3457.

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

49.3402, 0.2726, 0.3457

Protanopia

48.8997, 0.3217, 0.3367

Deuteranopia

48.8216, 0.3219, 0.3155



Tritanopia

49.1366, 0.2613, 0.3075

Trichromacy



Original Color

49.3402, 0.2726, 0.3457

Protanomaly

48.6393, 0.3018, 0.3396

Deuteranomaly

48.4885, 0.3015, 0.3251

Tritanomaly

48.9784, 0.2655, 0.3207

Monochromacy



Original Color

49.3402, 0.2726, 0.3457

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.0311, 0.2961, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3402, 0.2726, 0.3457 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(132, 199, 187)` looks like.

```
.text, #text, p{  
    color:rgb(132, 199, 187)  
}
```

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(132, 199, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 199, 187) }
```

Border

The CSS property to change the border of an element to Yxy 49.3402, 0.2726, 0.3457 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(132, 199, 187) }
```

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

```
.border{ border-color:rgb(132, 199, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 199, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 199, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 199, 187);  
box-shadow:4px 4px 4px 4px rgb(132, 199,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3402, 0.2726, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 199, 187) }
```

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

```
.background{ background-color: rgb(132,  
199, 187) }
```

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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