

Converting Colors

$Y_{xy}(49.2460, 0.2745, 0.3400)$

Have a look what the booklet for
Yxy(49.2460, 0.2745, 0.3400)
contains.

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Color

Yxy(49.4656, 0.2751, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	8AC6BD
RGB	138, 198, 189
RGB Percent	54%, 78%, 74%
CMY	0.4585, 0.2236, 0.2588
CMYK	0.30, 0.00, 0.05, 0.22
HSL	171°, 34%, 66%
HSV	171°, 30%, 78%
XYZ	39.8710, 49.4656, 55.5963
YIQ	179.0340, -32.8710, -15.5190

Conversions

Conversions Part 2

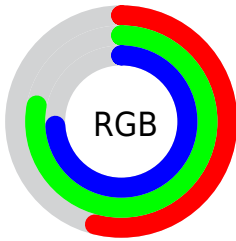
Format	Color
RYB	138, 170, 198
Decimal	9094845
CIELab	75.74, -21.14, -1.68
CIELCh	76, 21.207, 184.549
Yxy	49.4656, 0.2751, 0.3413
Android (android.graphics.Color)	4287284925 (0xFF8AC6BD)
YUV	179.0340, 4.9132, -35.9868
Hunter-Lab	70.3318, -21.8891, 2.3644

Details

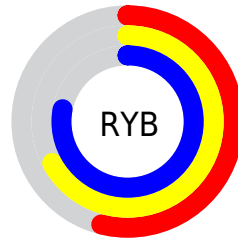
The Yxy color **49.4656, 0.2751, 0.3413** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.3125, 0.3697, 0.3173**, and the grayscale version is **45.0945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4500, 0.2818, 0.3396**, and **23.6554, 0.2643, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **47.8012, 0.2647, 0.3460**, and if you desaturate by 10%, it is **51.4445, 0.2867, 0.3369**.

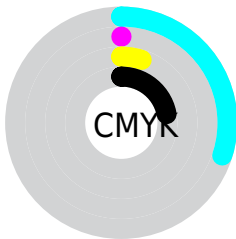
Distribution



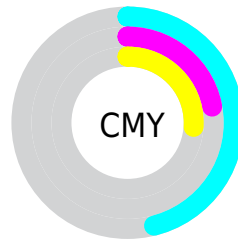
- Red (54%)
- Green (78%)
- Blue (74%)



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



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (46%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4656, 0.2751, 0.3413 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 49.4656, 0.2751, 0.3413 by changing the saturation by 10% instead.


 49.4656, 0.2751,
0.3413

 49.4656, 0.2751,
0.3413


384.5724, 0.2936,
0.3353


 34.9890, 0.2706,
0.3427


 89.3826, 0.2818,
0.3392

 23.6544, 0.2648,
0.3445


 115.5917, 0.2843,
0.3384

 15.0774, 0.2572,
0.3469


 146.4805, 0.2864,
0.3377

 8.8737, 0.2468,
0.3501

182.4332, 0.2883,
0.3371

 4.6589, 0.2316,
0.3546

223.8344, 0.2899,
0.3366

 2.0486, 0.2076,
0.3614

271.0684, 0.2913,


 0.6355, 0.0574,


0.3361


0.4146


324.5196, 0.2925,
0.3357


 0.0000, 0.0000,
0.0000

 49.4656, 0.2751,
0.3413


 49.4656, 0.2751,
0.3413

 47.8012, 0.2647,
0.3460


 51.4445, 0.2867,
0.3369


 46.4286, 0.2558,
0.3510


 53.7474, 0.2992,
0.3328

 45.3314, 0.2486,
0.3561

 56.3908, 0.3124,
0.3291


 44.4893, 0.2432,
0.3614


 59.3881, 0.3259,
0.3257

 43.8788, 0.2398,
0.3667


 62.7524, 0.3396,
0.3227


 43.4726, 0.2382,
0.3720

 66.1387, 0.3517,
0.3200

 43.2220, 0.2381,
0.3771

 66.2850, 0.3493,
0.3170

 66.4341, 0.3470,
0.3140

 66.5859, 0.3446,
0.3110

Harmonies

Analogous

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



49.4656, 0.3000, 0.3663



49.4656, 0.2751, 0.3413



49.4656, 0.2605, 0.3138

Triad

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



49.4656, 0.2751, 0.3413



49.4656, 0.2945, 0.2832



49.4656, 0.3691, 0.3627

Complementary

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



49.4656, 0.2751, 0.3413



32.3125, 0.3697, 0.3173

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.



49.4656, 0.3679, 0.3400



49.4656, 0.2751, 0.3413



49.4656, 0.3237, 0.2956

Square

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



49.4656, 0.2751, 0.3413



49.4656, 0.2712, 0.2818



49.4656, 0.3510, 0.3159



49.4656, 0.3546, 0.3779

Rectangle

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



49.4656, 0.2751, 0.3413



49.4656, 0.2580, 0.2985



49.4656, 0.3510, 0.3159



49.4656, 0.3706, 0.3557

Sweetspot

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



49.4676, 0.2751, 0.3413



95.6847, 0.3007, 0.3324



48.4293, 0.3155, 0.4148



20.3414, 0.2988, 0.3330



0.0000, 0.0000, 0.0000



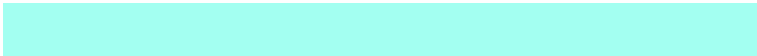
21.4041, 0.3127, 0.3290

Same Dimension

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



49.4676, 0.2751, 0.3413



85.6931, 0.2684, 0.3442



40.9391, 0.2663, 0.2994



12.0392, 0.3003, 0.3325



28.1221, 0.2379, 0.3764



1.3392, 0.2348, 0.3654

Inverse Universe

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



32.3125, 0.3697, 0.3173



50.6980, 0.3868, 0.3147



38.6542, 0.3718, 0.3567



10.6624, 0.3266, 0.3256



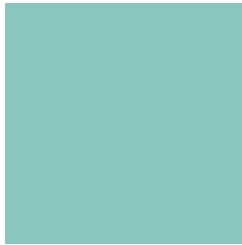
7.8755, 0.6177, 0.3177



0.3814, 0.5673, 0.2899

Previews

White Background



This preview shows how the Yxy color 49.4656, 0.2751, 0.3413 looks on a white background.

Color Contrast Check

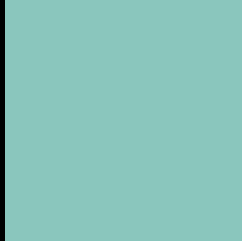
Large Text (above 18pt) WCAG AA × Fail

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 49.4656, 0.2751, 0.3413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

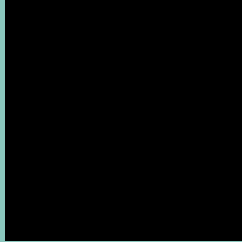
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

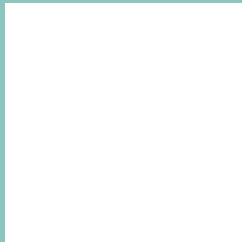
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.4656, 0.2751, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 49.4656, 0.2751, 0.3413.



This preview shows how white text looks on a background with the Yxy color 49.4656, 0.2751, 0.3413.

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

49.4656, 0.2751, 0.3413

Protanopia

49.0225, 0.3193, 0.3328

Deuteranopia

48.9103, 0.3203, 0.3131



Tritanopia

49.5230, 0.2650, 0.3090

Trichromacy



Original Color

49.4656, 0.2751, 0.3413

Protanomaly

48.9876, 0.3012, 0.3356

Deuteranomaly

48.8114, 0.3016, 0.3225

Tritanomaly

49.4068, 0.2687, 0.3208

Monochromacy



Original Color

49.4656, 0.2751, 0.3413

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.4292, 0.2971, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4656, 0.2751, 0.3413 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(138, 198, 189)` looks like.

```
.text, #text, p{  
    color:rgb(138, 198, 189)  
}
```

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(138, 198, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 198, 189) }
```

Border

The CSS property to change the border of an element to Yxy 49.4656, 0.2751, 0.3413 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(138, 198, 189) }
```

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

```
.border{ border-color:rgb(138, 198, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 198, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 198, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 198, 189);  
box-shadow:4px 4px 4px 4px rgb(138, 198,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4656, 0.2751, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 198, 189) }
```

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

```
.background{ background-color: rgb(138,  
198, 189) }
```

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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