

Converting Colors

$Y_{xy}(49.6625, 0.2786, 0.3508)$

Have a look what the booklet for
Yxy(49.6625, 0.2786, 0.3508)
contains.

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Color

Yxy(49.6690, 0.2790, 0.3512)

Conversions

Conversions Part 1	
Format	Color
Hex	8AC7B7
RGB	138, 199, 183
RGB Percent	54%, 78%, 72%
CMY	0.4586, 0.2196, 0.2824
CMYK	0.31, 0.00, 0.08, 0.22
HSL	164°, 35%, 66%
HSV	164°, 31%, 78%
XYZ	39.4580, 49.6690, 52.2995
YIQ	178.9370, -31.2200, -17.9080

Conversions

Conversions Part 2

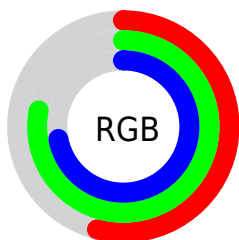
Format	Color
RYB	138, 173, 199
Decimal	9095095
CIELab	75.87, -22.98, 1.76
CIELCh	76, 23.045, 175.623
Yxy	49.6690, 0.2790, 0.3512
Android (android.graphics.Color)	4287285175 (0xFF8AC7B7)
YUV	178.9370, 2.0031, -35.9017
Hunter-Lab	70.4762, -23.3954, 5.3350

Details

The Yxy color $49.6690, 0.2790, 0.3512$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $32.6713, 0.3630, 0.3081$, and the grayscale version is $45.0526, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.0895, 0.2849, 0.3461$, and $23.7938, 0.2693, 0.3580$ is the 20% darker color. If you saturate the color by 10%, you get $47.9118, 0.2698, 0.3597$, and if you desaturate by 10%, it is $51.7494, 0.2893, 0.3433$.

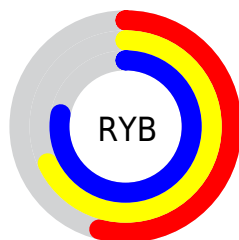
Distribution



Red (54%)

Green (78%)

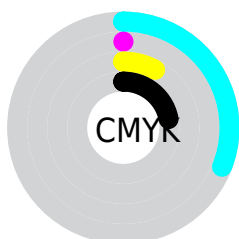
Blue (72%)



Red (54%)

Yellow (68%)

Blue (78%)

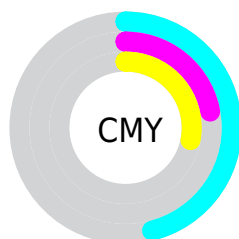


Cyan (31%)

Magenta (0%)

Yellow (8%)

Black (22%)



Cyan (46%)


Magenta (22%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6690, 0.2790, 0.3512 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 49.6690, 0.2790, 0.3512 by changing the saturation by 10% instead.


 49.6690, 0.2790,
0.3512


 49.6690, 0.2790,
0.3512


385.3701, 0.2957,
0.3401

 35.1505, 0.2749,
0.3540


 89.6843, 0.2850,
0.3472

 23.7788, 0.2696,
0.3575


 115.9498, 0.2873,
0.3457

 15.1696, 0.2627,
0.3622


 146.8997, 0.2892,
0.3444

 8.9385, 0.2531,
0.3687

182.9185, 0.2909,
0.3433

 4.7011, 0.2390,
0.3784

224.3906, 0.2923,
0.3424

 2.0730, 0.2164,
0.3943


271.7003, 0.2936,


 0.6494, 0.0436,


0.3415


0.5035


325.2320, 0.2947,
0.3408

 0.0000, 0.0000,
0.0000


 49.6690, 0.2790,
0.3512


 49.6690, 0.2790,
0.3512


 47.9118, 0.2698,
0.3597

 51.7494, 0.2893,
0.3433


 46.4545, 0.2619,
0.3688

 54.1626, 0.3004,
0.3360

 45.2805, 0.2556,
0.3782


 56.9255, 0.3120,
0.3294

 44.3690, 0.2512,
0.3880


 60.0518, 0.3238,
0.3235


 43.6962, 0.2487,
0.3978


 63.5546, 0.3357,
0.3182


 43.2339, 0.2482,
0.4076

 66.9772, 0.3455,
0.3134

 42.9419, 0.2491,
0.4168

 67.2492, 0.3415,
0.3081

 67.5298, 0.3375,
0.3029

 67.8192, 0.3335,
0.2978

Harmonies

Analogous

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



49.6690, 0.3080, 0.3757



49.6690, 0.2790, 0.3512



49.6690, 0.2595, 0.3209

Triad

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



49.6690, 0.2790, 0.3512



49.6690, 0.2845, 0.2778



49.6690, 0.3755, 0.3585

Complementary

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



49.6690, 0.2790, 0.3512



32.6713, 0.3630, 0.3081

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.



49.6690, 0.3689, 0.3329



49.6690, 0.2790, 0.3512



49.6690, 0.3149, 0.2879

Square

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



49.6690, 0.2790, 0.3512



49.6690, 0.2625, 0.2799



49.6690, 0.3462, 0.3076



49.6690, 0.3644, 0.3783

Rectangle

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



49.6690, 0.2790, 0.3512



49.6690, 0.2539, 0.3026



49.6690, 0.3462, 0.3076



49.6690, 0.3753, 0.3503

Sweetspot

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



49.6710, 0.2790, 0.3512



95.5219, 0.3021, 0.3350



49.5814, 0.3211, 0.4146



20.3011, 0.3004, 0.3360



0.0000, 0.0000, 0.0000



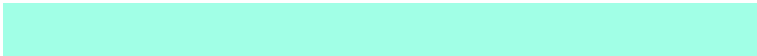
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6710, 0.2790, 0.3512



84.7860, 0.2725, 0.3570



44.1362, 0.2669, 0.3091



12.0181, 0.3018, 0.3351



27.6295, 0.2487, 0.4154



1.3197, 0.2431, 0.3951

Inverse Universe

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



32.6713, 0.3630, 0.3081



50.1488, 0.3793, 0.3032



36.5252, 0.3755, 0.3479



10.6819, 0.3249, 0.3230



7.9811, 0.5867, 0.3006



0.3902, 0.5253, 0.2668

Previews

White Background



This preview shows how the Yxy color 49.6690, 0.2790, 0.3512 looks on a white background.

Color Contrast Check

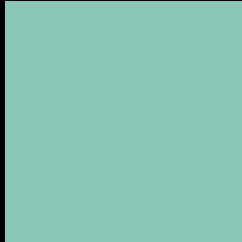
Large Text (above 18pt) WCAG AA × Fail

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 49.6690, 0.2790, 0.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

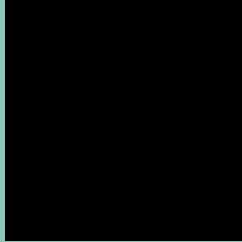
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

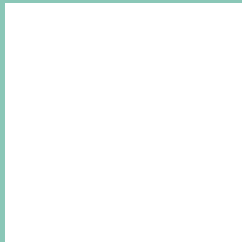
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6690, 0.2790, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 49.6690, 0.2790, 0.3512.

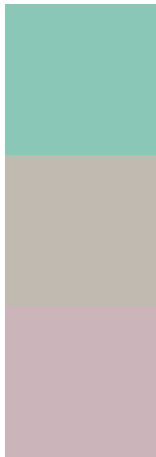


This preview shows how white text looks on a background with the Yxy color 49.6690, 0.2790, 0.3512.

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

49.6690, 0.2790, 0.3512

Protanopia

49.4589, 0.3257, 0.3417

Deuteranopia

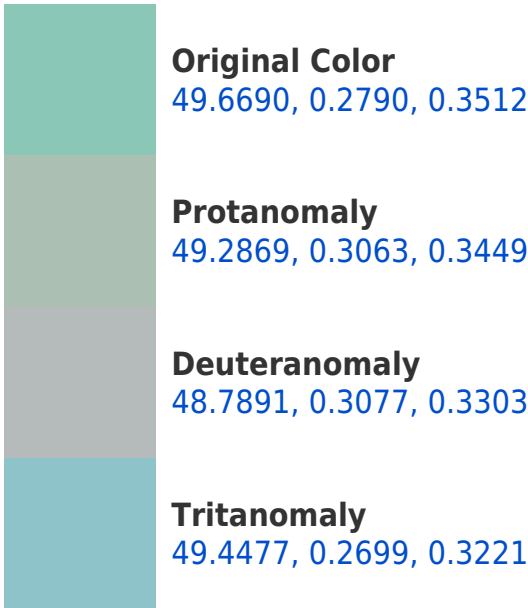
49.0677, 0.3278, 0.3205



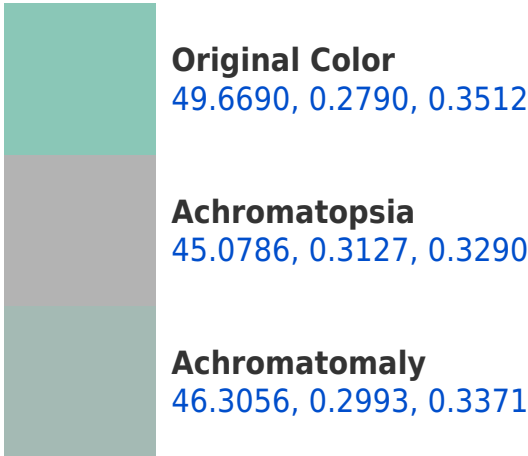
Tritanopia

49.6627, 0.2650, 0.3077

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6690, 0.2790, 0.3512 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, 199, 183)` looks like.

```
.text, #text, p{  
    color:rgb(138, 199, 183)  
}
```

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, 199, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 199, 183) }
```

Border

The CSS property to change the border of an element to Yxy 49.6690, 0.2790, 0.3512 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, 199, 183) }
```

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

```
.border{ border-color:rgb(138, 199, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 199, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 199, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 199, 183);  
box-shadow:4px 4px 4px 4px rgb(138, 199,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6690, 0.2790, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 199, 183) }
```

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

```
.background{ background-color: rgb(138,  
199, 183) }
```

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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