

Converting Colors

$Y_{xy}(49.4774, 0.2628, 0.3289)$

Have a look what the booklet for
Yxy(49.4774, 0.2628, 0.3289)
contains.

Yxy(49.5596, 0.2630, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.5596, 0.2630, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	80C7C7
RGB	128, 199, 199
RGB Percent	50%, 78%, 78%
CMY	0.4981, 0.2196, 0.2197
CMYK	0.36, 0.00, 0.00, 0.22
HSL	180°, 39%, 64%
HSV	180°, 36%, 78%
XYZ	39.6296, 49.5596, 61.4937
YIQ	177.7710, -42.3160, -15.0520

Conversions

Conversions Part 2

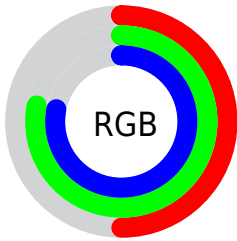
Format	Color
R_{YB}	128, 164, 199
Decimal	8439751
CIE _{Lab}	75.80, -22.15, -7.05
CIE _{LCh}	76, 23.241, 197.646
Yxy	49.5596, 0.2630, 0.3289
Android (android.graphics.Color)	4286629831 (0xFF80C7C7)
YUV	177.7710, 10.4659, -43.6492
Hunter-Lab	70.3986, -22.7142, -2.5113

Details

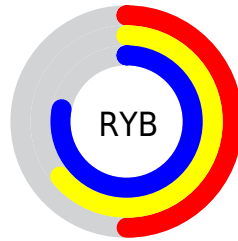
The Yxy color **49.5596, 0.2630, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.1364, 0.3974, 0.3292**, and the grayscale version is **44.3522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **23.7510, 0.2500, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **48.1665, 0.2521, 0.3289**, and if you desaturate by 10%, it is **51.2592, 0.2754, 0.3289**.

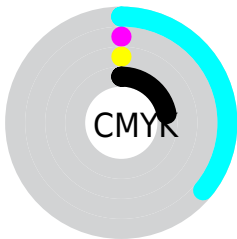
Distribution



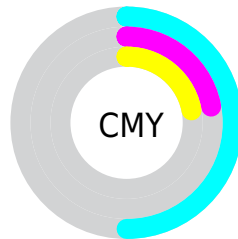
- Red (50%)
- Green (78%)
- Blue (78%)



- Red (50%)
- Yellow (64%)
- Blue (78%)



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




- Cyan (50%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5596, 0.2630, 0.3289 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 49.5596, 0.2630, 0.3289 by changing the saturation by 10% instead.


 49.5596, 0.2630,
0.3289

 49.5596, 0.2630,
0.3289


384.9412, 0.2873,
0.3294

 35.0636, 0.2571,
0.3287


 89.5220, 0.2717,
0.3292

 23.7119, 0.2497,
0.3283


 115.7572, 0.2750,
0.3292

 15.1200, 0.2400,
0.3277


 146.6743, 0.2778,
0.3293

 8.9037, 0.2269,
0.3266


182.6576, 0.2802,
0.3293

 4.6784, 0.2081,
0.3245

224.0915, 0.2823,
0.3293

 2.0598, 0.1793,
0.3200

271.3605, 0.2842,

 0.6419, 0.0361,

0.3294

0.3341

324.8489, 0.2858,
0.3294

0.0000, 0.0000,
0.0000

49.5596, 0.2630,
0.3289

49.5596, 0.2630,
0.3289

48.1665, 0.2521,
0.3289

51.2592, 0.2754,
0.3289

47.0563, 0.2430,
0.3289

53.2759, 0.2892,
0.3290

46.2113, 0.2358,
0.3289


55.6266, 0.3040,
0.3290

45.6095, 0.2305,
0.3289


58.3256, 0.3195,
0.3290


45.2251, 0.2270,
0.3289

61.3863, 0.3354,
0.3291

 45.0263, 0.2252,
0.3289

 64.8214, 0.3515,
0.3291

 44.9707, 0.2247,
0.3289

 66.2369, 0.3576,
0.3291

 66.2374, 0.3576,
0.3291

 66.2378, 0.3576,
0.3291

Harmonies

Analogous

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



49.5596, 0.2858, 0.3590



49.5596, 0.2630, 0.3289



49.5596, 0.2532, 0.3007

Triad

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



49.5596, 0.2630, 0.3289



49.5596, 0.3063, 0.2837



49.5596, 0.3694, 0.3744

Complementary

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



49.5596, 0.2630, 0.3289



29.1364, 0.3974, 0.3292

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.



49.5596, 0.3761, 0.3522



49.5596, 0.2630, 0.3289



49.5596, 0.3386, 0.3014

Square

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



49.5596, 0.2630, 0.3289



49.5596, 0.2772, 0.2766



49.5596, 0.3647, 0.3258



49.5596, 0.3473, 0.3856

Rectangle

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



49.5596, 0.2630, 0.3289



49.5596, 0.2550, 0.2871



49.5596, 0.3647, 0.3258



49.5596, 0.3736, 0.3679

Sweetspot

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



49.5616, 0.2630, 0.3289



95.0619, 0.2958, 0.3290



47.0896, 0.3086, 0.4351



20.2280, 0.2938, 0.3290



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.



49.5616, 0.2630, 0.3289



84.7881, 0.2542, 0.3289



35.5069, 0.2562, 0.2790



12.0675, 0.2984, 0.3290



28.9141, 0.2247, 0.3289



1.3691, 0.2247, 0.3289

Inverse Universe

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



29.1364, 0.3974, 0.3292



43.6748, 0.4264, 0.3293



39.6525, 0.3813, 0.3740



10.6370, 0.3289, 0.3290



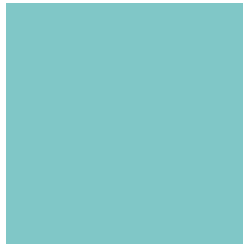
7.8078, 0.6400, 0.3299



0.3697, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 49.5596, 0.2630, 0.3289 looks on a white background.

Color Contrast Check

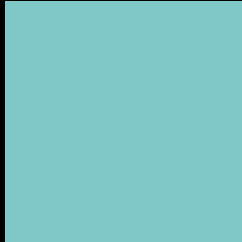
Large Text (above 18pt) WCAG AA × Fail

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 49.5596, 0.2630, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

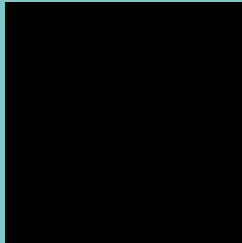
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

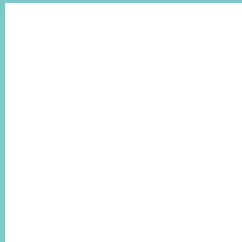
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5596, 0.2630, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 49.5596, 0.2630, 0.3289.

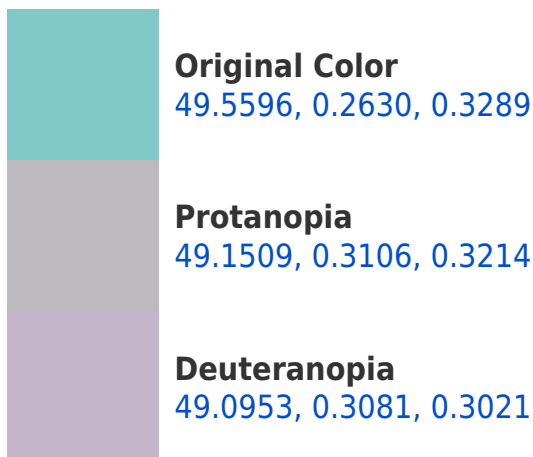


This preview shows how white text looks on a background with the Yxy color 49.5596, 0.2630, 0.3289.

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





Tritanopia

49.6421, 0.2569, 0.3074

Trichromacy



Original Color

49.5596, 0.2630, 0.3289

Protanomaly

48.8289, 0.2909, 0.3237

Deuteranomaly

48.8886, 0.2890, 0.3109

Tritanomaly

49.7675, 0.2594, 0.3153

Monochromacy



Original Color

49.5596, 0.2630, 0.3289

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.1366, 0.2917, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5596, 0.2630, 0.3289 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(128, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(128, 199, 199)  
}
```

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(128, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 199, 199) }
```

Border

The CSS property to change the border of an element to Yxy 49.5596, 0.2630, 0.3289 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(128, 199, 199) }
```

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

```
.border{ border-color:rgb(128, 199, 199) }
```

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

Here you see how a box with a 4 pixel rgb(128, 199, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(128, 199,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5596, 0.2630, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 199, 199) }
```

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

```
.background{ background-color: rgb(128,  
199, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor