

Converting Colors

$Y_{xy}(49.8738, 0.2658, 0.3289)$

Have a look what the booklet for
Yxy(49.8738, 0.2658, 0.3289)
contains.

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Color

Yxy(49.9569, 0.2660, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	85C7C7
RGB	133, 199, 199
RGB Percent	52%, 78%, 78%
CMY	0.4784, 0.2196, 0.2197
CMYK	0.33, 0.00, 0.00, 0.22
HSL	180°, 37%, 65%
HSV	180°, 33%, 78%
XYZ	40.4030, 49.9569, 61.5310
YIQ	179.2660, -39.3360, -13.9920

Conversions

Conversions Part 2

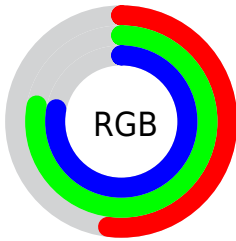
Format	Color
RYB	133, 166, 199
Decimal	8767431
CIELab	76.04, -20.79, -6.66
CIELCh	76, 21.828, 197.757
Yxy	49.9569, 0.2660, 0.3289
Android (android.graphics.Color)	4286957511 (0xFF85C7C7)
YUV	179.2660, 9.7289, -40.5753
Hunter-Lab	70.6802, -21.6543, -2.1391

Details

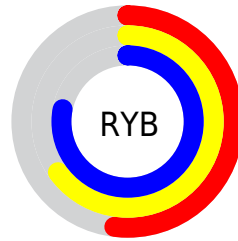
The Yxy color **49.9569, 0.2660, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.6136, 0.3890, 0.3292**, and the grayscale version is **45.1920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **23.9574, 0.2534, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **48.4892, 0.2547, 0.3289**, and if you desaturate by 10%, it is **51.7355, 0.2788, 0.3289**.

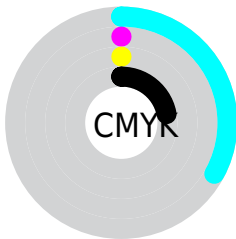
Distribution



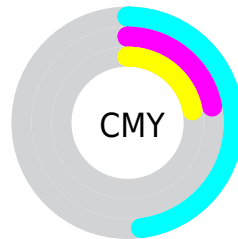
- Red (52%)
- Green (78%)
- Blue (78%)



- Red (52%)
- Yellow (65%)
- Blue (78%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9569, 0.2660, 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 49.9569, 0.2660, 0.3289 by changing the saturation by 10% instead.


 49.9569, 0.2660,
0.3289

 49.9569, 0.2660,
0.3289


386.4974, 0.2888,
0.3293

 35.3792, 0.2605,
0.3287


 90.1110, 0.2742,
0.3291

 23.9551, 0.2535,
0.3284


 116.4562, 0.2772,
0.3292

 15.3003, 0.2444,
0.3278


 147.4926, 0.2799,
0.3292

 9.0304, 0.2320,
0.3268

183.6047, 0.2822,
0.3293

 4.7610, 0.2143,
0.3250

225.1768, 0.2841,
0.3293

 2.1077, 0.1871,
0.3211

272.5933, 0.2859,

 0.6690, 0.0639,

0.3293

0.3329

326.2387, 0.2874,
0.3293

0.0000, 0.0000,
0.0000

49.9569, 0.2660,
0.3289

49.9569, 0.2660,
0.3289

48.4892, 0.2547,
0.3289

51.7355, 0.2788,
0.3289

47.3089, 0.2451,
0.3289

53.8349, 0.2928,
0.3290

46.3991, 0.2374,
0.3289


56.2721, 0.3078,
0.3290

45.7382, 0.2316,
0.3289


59.0610, 0.3235,
0.3290


45.3016, 0.2277,
0.3289


62.2149, 0.3395,
0.3291

 45.0597, 0.2255,
0.3289

 65.7461, 0.3556,
0.3291

 44.9693, 0.2247,
0.3289

 66.2348, 0.3576,
0.3291

 66.2353, 0.3576,
0.3291

 66.2357, 0.3576,
0.3291

Harmonies

Analogous

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



49.9569, 0.2874, 0.3569



49.9569, 0.2660, 0.3289



49.9569, 0.2568, 0.3025

Triad

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



49.9569, 0.2660, 0.3289



49.9569, 0.3069, 0.2864



49.9569, 0.3658, 0.3717

Complementary

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



49.9569, 0.2660, 0.3289



30.6136, 0.3890, 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.



49.9569, 0.3720, 0.3510



49.9569, 0.2660, 0.3289



49.9569, 0.3371, 0.3031

Square

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



49.9569, 0.2660, 0.3289



49.9569, 0.2795, 0.2798



49.9569, 0.3614, 0.3262



49.9569, 0.3451, 0.3820

Rectangle

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



49.9569, 0.2660, 0.3289



49.9569, 0.2585, 0.2897



49.9569, 0.3614, 0.3262



49.9569, 0.3697, 0.3657

Sweetspot

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



49.9589, 0.2660, 0.3289



95.4797, 0.2973, 0.3290



47.6200, 0.3089, 0.4264



20.3113, 0.2952, 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.



49.9589, 0.2660, 0.3289



85.5094, 0.2575, 0.3289



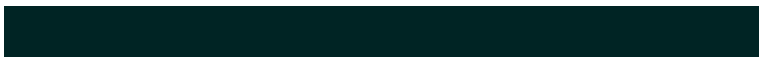
36.7867, 0.2602, 0.2831



12.0675, 0.2984, 0.3290



28.9144, 0.2247, 0.3289



1.3691, 0.2247, 0.3288

Inverse Universe

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



30.6136, 0.3890, 0.3292



46.3439, 0.4148, 0.3293



40.7125, 0.3754, 0.3707



10.6370, 0.3289, 0.3290



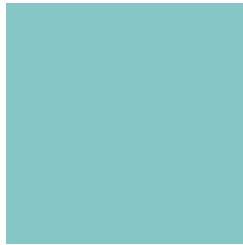
7.8078, 0.6400, 0.3299



0.3697, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 49.9569, 0.2660, 0.3289 looks on a white background.

Color Contrast Check

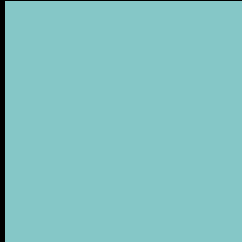
Large Text (above 18pt) WCAG AA × Fail

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 49.9569, 0.2660, 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

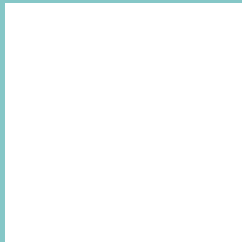
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9569, 0.2660, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 49.9569, 0.2660, 0.3289.

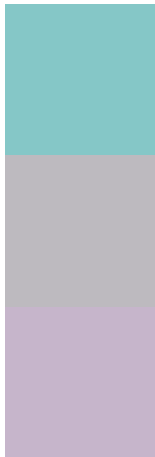


This preview shows how white text looks on a background with the Yxy color 49.9569, 0.2660, 0.3289.

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



Original Color

49.9569, 0.2660, 0.3289

Protanopia

49.6982, 0.3114, 0.3227

Deuteranopia

49.3653, 0.3098, 0.3023



Tritanopia

49.9708, 0.2593, 0.3076

Trichromacy



Original Color

49.9569, 0.2660, 0.3289

Protanomaly

49.5917, 0.2932, 0.3250

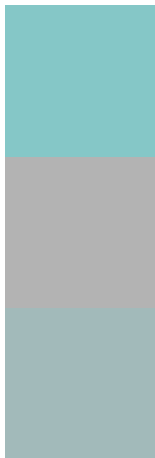
Deuteranomaly

49.2294, 0.2913, 0.3110

Tritanomaly

50.0931, 0.2618, 0.3154

Monochromacy



Original Color

49.9569, 0.2660, 0.3289

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.3444, 0.2933, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9569, 0.2660, 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(133, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(133, 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(133, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 199, 199) }
```

Border

The CSS property to change the border of an element to Yxy 49.9569, 0.2660, 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(133, 199, 199) }
```

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

```
.border{ border-color:rgb(133, 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(133, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(133, 199,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9569, 0.2660, 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(133, 199, 199) }
```

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

```
.background{ background-color: rgb(133,  
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](#).

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