

Converting Colors

$Yxy(49.5350, 0.2692, 0.3290)$

Have a look what the booklet for
Yxy(49.5350, 0.2692, 0.3290)
contains.

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Color

Yxy(49.7377, 0.2695, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	89C6C5
RGB	137, 198, 197
RGB Percent	54%, 78%, 77%
CMY	0.4626, 0.2235, 0.2274
CMYK	0.31, 0.00, 0.00, 0.22
HSL	179°, 35%, 66%
HSV	179°, 31%, 78%
XYZ	40.5945, 49.7377, 60.2968
YIQ	179.6470, -36.0350, -13.2430

Conversions

Conversions Part 2

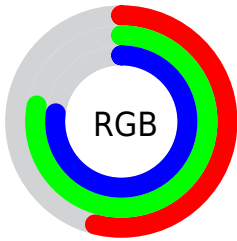
Format	Color
R_{YB}	137, 168, 198
Decimal	9029317
CIE _{Lab}	75.91, -19.61, -5.78
CIE _{LCh}	76, 20.446, 196.410
Yxy	49.7377, 0.2695, 0.3302
Android (android.graphics.Color)	4287219397 (0xFF89C6C5)
YUV	179.6470, 8.5550, -37.4014
Hunter-Lab	70.5250, -20.6732, -1.3238

Details

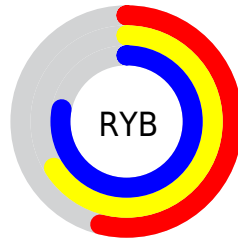
The Yxy color **49.7377, 0.2695, 0.3302** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.7417, 0.3804, 0.3279**, and the grayscale version is **45.4158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8822, 0.2767, 0.3300**, and **23.8145, 0.2581, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **48.2021, 0.2580, 0.3307**, and if you desaturate by 10%, it is **51.5843, 0.2825, 0.3298**.

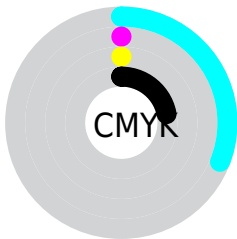
Distribution



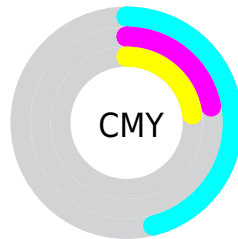
- Red (54%)
- Green (78%)
- Blue (77%)



- Red (54%)
- Yellow (66%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




- Cyan (46%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7377, 0.2695, 0.3302 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 49.7377, 0.2695, 0.3302 by changing the saturation by 10% instead.


 49.7377, 0.2695,
0.3302

 49.7377, 0.2695,
0.3302


385.6393, 0.2906,
0.3299


 35.2050, 0.2644,
0.3302

 89.7861, 0.2771,
0.3302

 23.8209, 0.2579,
0.3301


 116.0707, 0.2799,
0.3301

 15.2008, 0.2494,
0.3299


 147.0413, 0.2824,
0.3301

 8.9604, 0.2378,
0.3295

183.0824, 0.2845,
0.3301

 4.7154, 0.2211,
0.3284

224.5783, 0.2863,
0.3300

 2.0812, 0.1953,
0.3259

271.9135, 0.2879,

 0.6540, 0.0744,

0.3300

325.4724, 0.2894,
0.3300

0.3405

0.0000, 0.0000,
0.0000

49.7377, 0.2695,
0.3302

49.7377, 0.2695,
0.3302

48.2021, 0.2580,
0.3307

51.5843, 0.2825,
0.3298

46.9548, 0.2481,
0.3311

53.7516, 0.2966,
0.3294

45.9794, 0.2400,
0.3316


56.2560, 0.3115,
0.3290

45.2553, 0.2339,
0.3321


59.1111, 0.3270,
0.3287

44.7591, 0.2296,
0.3326


62.3297, 0.3428,
0.3284


 44.4629, 0.2271,
0.3331

 65.7658, 0.3580,
0.3282

 44.3188, 0.2260,
0.3336

 65.7805, 0.3577,
0.3279

 65.7953, 0.3574,
0.3275

 65.8100, 0.3572,
0.3272

Harmonies

Analogous

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



49.7377, 0.2901, 0.3562



49.7377, 0.2695, 0.3302



49.7377, 0.2602, 0.3052

Triad

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



49.7377, 0.2695, 0.3302



49.7377, 0.3060, 0.2884



49.7377, 0.3631, 0.3685

Complementary

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



49.7377, 0.2695, 0.3302



31.7417, 0.3804, 0.3279

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.



49.7377, 0.3682, 0.3488



49.7377, 0.2695, 0.3302



49.7377, 0.3344, 0.3038

Square

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



49.7377, 0.2695, 0.3302



49.7377, 0.2806, 0.2827



49.7377, 0.3576, 0.3254



49.7377, 0.3442, 0.3785

Rectangle

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



49.7377, 0.2695, 0.3302



49.7377, 0.2614, 0.2928



49.7377, 0.3576, 0.3254



49.7377, 0.3665, 0.3627

Sweetspot

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



49.7397, 0.2695, 0.3302



95.8806, 0.2990, 0.3293



47.6009, 0.3093, 0.4182



20.3900, 0.2968, 0.3294



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.



49.7397, 0.2695, 0.3302



86.1841, 0.2615, 0.3305



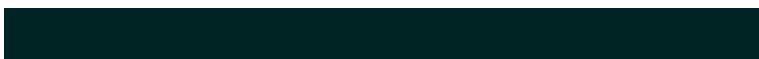
37.6002, 0.2641, 0.2869



12.0645, 0.2986, 0.3293



28.8244, 0.2260, 0.3335



1.3658, 0.2257, 0.3325

Inverse Universe

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



31.7417, 0.3804, 0.3279



49.2418, 0.4023, 0.3277



41.2666, 0.3700, 0.3676



10.6396, 0.3287, 0.3287



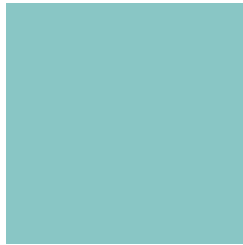
7.8134, 0.6381, 0.3289



0.3709, 0.6311, 0.3250

Previews

White Background



This preview shows how the Yxy color 49.7377, 0.2695, 0.3302 looks on a white background.

Color Contrast Check

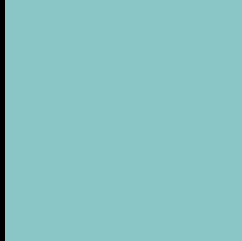
Large Text (above 18pt) WCAG AA × Fail

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 49.7377, 0.2695, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

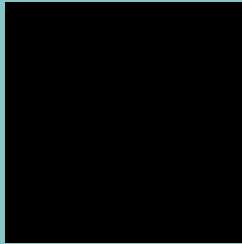
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

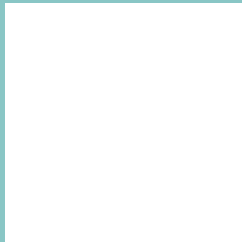
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7377, 0.2695, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 49.7377, 0.2695, 0.3302.

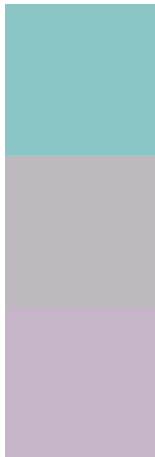


This preview shows how white text looks on a background with the Yxy color 49.7377, 0.2695, 0.3302.

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

49.7377, 0.2695, 0.3302

Protanopia

49.2344, 0.3122, 0.3227

Deuteranopia

49.2706, 0.3113, 0.3046



Tritanopia

49.7585, 0.2627, 0.3089

Trichromacy



Original Color

49.7377, 0.2695, 0.3302

Protanomaly

49.2232, 0.2946, 0.3250

Deuteranomaly

48.9409, 0.2942, 0.3123

Tritanomaly

49.8777, 0.2652, 0.3168

Monochromacy



Original Color

49.7377, 0.2695, 0.3302

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.9783, 0.2949, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7377, 0.2695, 0.3302 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(137, 198, 197)` looks like.

```
.text, #text, p{  
    color:rgb(137, 198, 197)  
}
```

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(137, 198, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 198, 197) }
```

Border

The CSS property to change the border of an element to Yxy 49.7377, 0.2695, 0.3302 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(137, 198, 197) }
```

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

```
.border{ border-color:rgb(137, 198, 197) }
```

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

Here you see how a box with a 4 pixel rgb(137, 198, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 198, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 198, 197);  
box-shadow:4px 4px 4px 4px rgb(137, 198,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7377, 0.2695, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 198, 197) }
```

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

```
.background{ background-color: rgb(137,  
198, 197) }
```

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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