

Converting Colors

$Y_{xy}(48.0299, 0.2734, 0.3368)$

Have a look what the booklet for
Yxy(48.0299, 0.2734, 0.3368)
contains.

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Color

Yxy(47.9386, 0.2733, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	88C3BD
RGB	136, 195, 189
RGB Percent	53%, 76%, 74%
CMY	0.4670, 0.2352, 0.2589
CMYK	0.30, 0.00, 0.03, 0.24
HSL	174°, 33%, 65%
HSV	174°, 30%, 76%
XYZ	38.8426, 47.9386, 55.3433
YIQ	176.6750, -33.2380, -14.3740

Conversions

Conversions Part 2

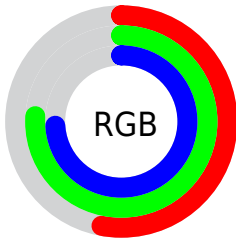
Format	Color
RYB	136, 167, 195
Decimal	8963005
CIELab	74.79, -20.27, -3.08
CIElCh	75, 20.508, 188.649
Yxy	47.9386, 0.2733, 0.3373
Android (android.graphics.Color)	4287153085 (0xFF88C3BD)
YUV	176.6750, 6.0762, -35.6720
Hunter-Lab	69.2377, -21.0268, 1.0745

Details

The Yxy color **47.9386, 0.2733, 0.3373** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.1417, 0.3730, 0.3211**, and the grayscale version is **43.7597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2897, 0.2805, 0.3364**, and **22.6663, 0.2619, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **46.3689, 0.2625, 0.3405**, and if you desaturate by 10%, it is **49.8104, 0.2854, 0.3343**.

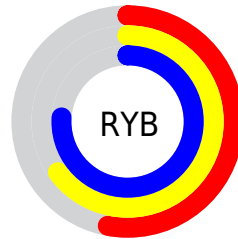
Distribution



Red (53%)

Green (76%)

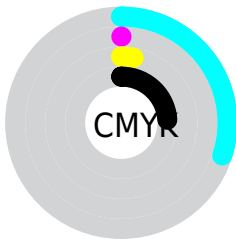
Blue (74%)



Red (53%)

Yellow (65%)

Blue (76%)

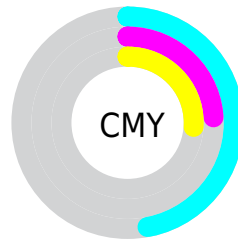


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (24%)



Cyan (47%)


Magenta (24%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9386, 0.2733, 0.3373 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 47.9386, 0.2733, 0.3373 by changing the saturation by 10% instead.

 47.9386, 0.2733,
0.3373


 47.9386, 0.2733,
0.3373


378.5487, 0.2928,
0.3334


 33.7783, 0.2685,
0.3382


 87.1130, 0.2803,
0.3359

 22.7233, 0.2624,
0.3394


 112.8958, 0.2830,
0.3354

 14.3893, 0.2544,
0.3408


 143.3216, 0.2852,
0.3349

 8.3919, 0.2433,
0.3427

178.7747, 0.2871,
0.3345

 4.3468, 0.2272,
0.3452

219.6396, 0.2888,
0.3342

 1.8694, 0.2015,
0.3487

266.3007, 0.2903,

 0.5299, 0.0065,

0.3339

0.3981

319.1422, 0.2916,
0.3336

0.0000, 0.0000,
0.0000

47.9386, 0.2733,
0.3373

47.9386, 0.2733,
0.3373

46.3689, 0.2625,
0.3405

49.8104, 0.2854,
0.3343

45.0793, 0.2532,
0.3438

51.9934, 0.2985,
0.3316

44.0541, 0.2456,
0.3472


54.5034, 0.3123,
0.3291


43.2737, 0.2399,
0.3507


57.3535, 0.3265,
0.3268

42.7156, 0.2361,
0.3542

60.5561, 0.3409,
0.3248


 42.3532, 0.2342,
0.3577

 64.1229, 0.3553,
0.3230

 42.1393, 0.2336,
0.3610

 64.6074, 0.3554,
0.3210

 64.7029, 0.3538,
0.3189

 64.7995, 0.3521,
0.3169

Harmonies

Analogous

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



47.9386, 0.2966, 0.3625



47.9386, 0.2733, 0.3373



47.9386, 0.2606, 0.3108

Triad

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



47.9386, 0.2733, 0.3373



47.9386, 0.2987, 0.2853



47.9386, 0.3667, 0.3646

Complementary

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



47.9386, 0.2733, 0.3373



31.1417, 0.3730, 0.3211

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.



47.9386, 0.3678, 0.3431



47.9386, 0.2733, 0.3373



47.9386, 0.3275, 0.2986

Square

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



47.9386, 0.2733, 0.3373



47.9386, 0.2747, 0.2823



47.9386, 0.3532, 0.3193



47.9386, 0.3507, 0.3779

Rectangle

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



47.9386, 0.2733, 0.3373



47.9386, 0.2595, 0.2966



47.9386, 0.3532, 0.3193



47.9386, 0.3689, 0.3580

Sweetspot

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



47.9405, 0.2733, 0.3373



93.5924, 0.3001, 0.3313



46.6377, 0.3139, 0.4153



20.3587, 0.2981, 0.3317



0.0000, 0.0000, 0.0000



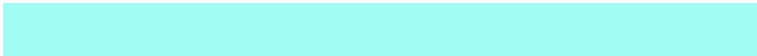
21.4041, 0.3127, 0.3290

Same Dimension

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



47.9405, 0.2733, 0.3373



84.0217, 0.2664, 0.3393



38.8126, 0.2659, 0.2964



11.4102, 0.2998, 0.3313



27.3891, 0.2335, 0.3605



1.1886, 0.2313, 0.3528

Inverse Universe

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



31.1417, 0.3730, 0.3211



49.4025, 0.3910, 0.3194



38.0302, 0.3711, 0.3593



10.0942, 0.3273, 0.3267



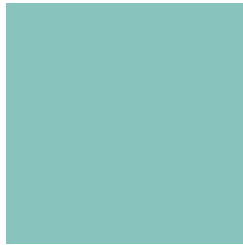
7.5794, 0.6267, 0.3226



0.3332, 0.5856, 0.3000

Previews

White Background



This preview shows how the Yxy color 47.9386, 0.2733, 0.3373 looks on a white background.

Color Contrast Check

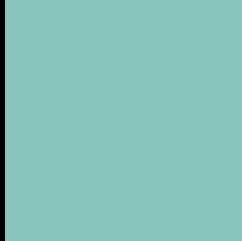
Large Text (above 18pt) WCAG AA × Fail

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 47.9386, 0.2733, 0.3373 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

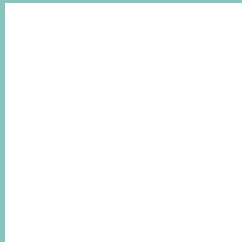
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9386, 0.2733, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 47.9386, 0.2733, 0.3373.



This preview shows how white text looks on a background with the Yxy color 47.9386, 0.2733, 0.3373.

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

47.9386, 0.2733, 0.3373

Protanopia

47.3981, 0.3170, 0.3290

Deuteranopia

47.5614, 0.3170, 0.3104



Tritanopia

47.8288, 0.2638, 0.3073

Trichromacy



Original Color

47.9386, 0.2733, 0.3373

Protanomaly

47.3683, 0.2988, 0.3316

Deuteranomaly

47.2007, 0.2992, 0.3185

Tritanomaly

47.8459, 0.2675, 0.3180

Monochromacy



Original Color

47.9386, 0.2733, 0.3373

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.2986, 0.2969, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9386, 0.2733, 0.3373 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(136, 195, 189)` looks like.

```
.text, #text, p{  
    color:rgb(136, 195, 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(136, 195, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 195, 189) }
```

Border

The CSS property to change the border of an element to Yxy 47.9386, 0.2733, 0.3373 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(136, 195, 189) }
```

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

```
.border{ border-color:rgb(136, 195, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 195, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 195, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 195, 189);  
box-shadow:4px 4px 4px 4px rgb(136, 195,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9386, 0.2733, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 195, 189) }
```

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

```
.background{ background-color: rgb(136,  
195, 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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