

Converting Colors

$Y_{xy}(47.3279, 0.2632, 0.3233)$

Have a look what the booklet for
Yxy(47.3279, 0.2632, 0.3233)
contains.

Yxy(47.3279, 0.2632, 0.3233)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.3279, 0.2632, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	81C2C6
RGB	129, 194, 198
RGB Percent	51%, 76%, 78%
CMY	0.4944, 0.2392, 0.2235
CMYK	0.35, 0.02, 0.00, 0.22
HSL	183°, 38%, 64%
HSV	183°, 35%, 78%
XYZ	38.5299, 47.3279, 60.5323
YIQ	175.0210, -40.0240, -12.5360

Conversions

Conversions Part 2

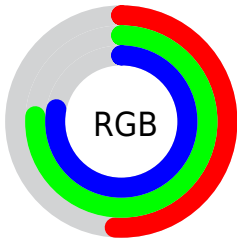
Format	Color
R_{YB}	129, 162, 198
Decimal	8504006
CIE _{Lab}	74.40, -19.60, -8.59
CIE _{LCh}	74, 21.404, 203.665
Yxy	47.3279, 0.2632, 0.3233
Android (android.graphics.Color)	4286694086 (0xFF81C2C6)
YUV	175.0210, 11.3286, -40.3604
Hunter-Lab	68.7953, -20.4200, -4.0120

Details

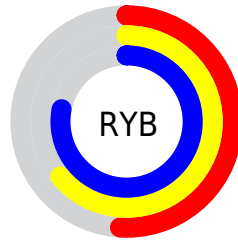
The Yxy color **47.3279, 0.2632, 0.3233** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.3413, 0.3928, 0.3346**, and the grayscale version is **42.8301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4047, 0.2717, 0.3246**, and **22.2656, 0.2497, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **45.4207, 0.2516, 0.3214**, and if you desaturate by 10%, it is **49.5432, 0.2762, 0.3251**.

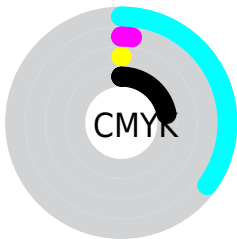
Distribution



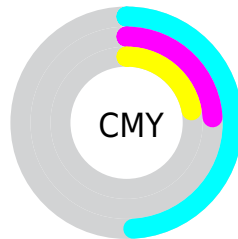
- Red (51%)
- Green (76%)
- Blue (78%)



- Red (51%)
- Yellow (64%)
- Blue (78%)



- Cyan (35%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)





- Cyan (49%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3279, 0.2632, 0.3233 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 47.3279, 0.2632, 0.3233 by changing the saturation by 10% instead.


 47.3279, 0.2632,
0.3233


 47.3279, 0.2632,
0.3233


376.1219, 0.2875,
0.3266


 33.2949, 0.2573,
0.3224


 86.2029, 0.2719,
0.3246

 22.3525, 0.2498,
0.3211


 111.8137, 0.2752,
0.3250

 14.1161, 0.2399,
0.3192


 142.0526, 0.2781,
0.3254

 8.2015, 0.2264,
0.3164

177.3039, 0.2805,
0.3257

 4.2241, 0.2071,
0.3117

217.9521, 0.2826,
0.3260

 1.7997, 0.1770,
0.3029

264.3816, 0.2844,

 0.4870, 0.0000,

0.3262

0.2992

316.9767, 0.2861,
0.3264

0.0000, 0.0000,
0.0000

47.3279, 0.2632,
0.3233

47.3279, 0.2632,
0.3233

45.4207, 0.2516,
0.3214

49.5432, 0.2762,
0.3251

43.7984, 0.2417,
0.3195

52.0769, 0.2903,
0.3267

42.4438, 0.2336,
0.3176

54.9458, 0.3052,
0.3283

41.3352, 0.2275,
0.3156

58.1639, 0.3207,
0.3297

40.4475, 0.2232,
0.3137

61.7444, 0.3364,
0.3310

■ 39.7505, 0.2206,
0.3118

■ 65.6996, 0.3522,
0.3321

■ 39.4373, 0.2197,
0.3108

■ 67.5869, 0.3578,
0.3333

■ 68.1254, 0.3575,
0.3345

■ 68.6679, 0.3573,
0.3356

Harmonies

Analogous

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



47.3279, 0.2825, 0.3517



47.3279, 0.2632, 0.3233



47.3279, 0.2567, 0.2983

Triad

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



47.3279, 0.2632, 0.3233



47.3279, 0.3129, 0.2891



47.3279, 0.3626, 0.3747

Complementary

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



47.3279, 0.2632, 0.3233



30.3413, 0.3928, 0.3346

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.



47.3279, 0.3721, 0.3556



47.3279, 0.2632, 0.3233



47.3279, 0.3426, 0.3073

Square

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



47.3279, 0.2632, 0.3233



47.3279, 0.2844, 0.2802



47.3279, 0.3647, 0.3311



47.3279, 0.3398, 0.3822

Rectangle

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



47.3279, 0.2632, 0.3233



47.3279, 0.2602, 0.2869



47.3279, 0.3647, 0.3311



47.3279, 0.3675, 0.3693

Sweetspot

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



47.3298, 0.2632, 0.3233



94.5447, 0.2973, 0.3275



46.7280, 0.3056, 0.4272



20.0832, 0.2951, 0.3273



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.



47.3298, 0.2632, 0.3233



81.1450, 0.2541, 0.3219



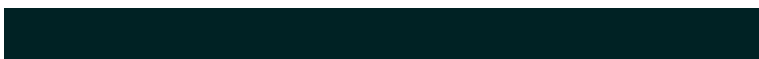
33.8847, 0.2566, 0.2733



11.9586, 0.2984, 0.3276



25.6897, 0.2198, 0.3111



1.2491, 0.2209, 0.3150

Inverse Universe

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



31.5836, 0.3207, 0.2478



49.2366, 0.3227, 0.2307



41.1975, 0.3774, 0.3787



10.8056, 0.3146, 0.3075



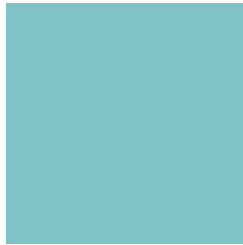
10.1334, 0.3358, 0.1623



0.4831, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 47.3279, 0.2632, 0.3233 looks on a white background.

Color Contrast Check

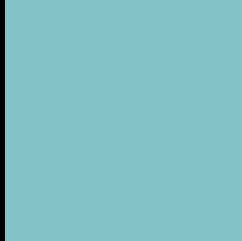
Large Text (above 18pt) WCAG AA × Fail

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 47.3279, 0.2632, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

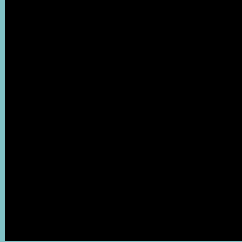
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

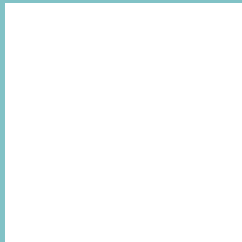
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3279, 0.2632, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 47.3279, 0.2632, 0.3233.



This preview shows how white text looks on a background with the Yxy color 47.3279, 0.2632, 0.3233.

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

47.3279, 0.2632, 0.3233

Protanopia

46.8327, 0.3073, 0.3174

Deuteranopia

46.7849, 0.3048, 0.2979



Tritanopia

47.0786, 0.2582, 0.3070

Trichromacy



Original Color

47.3279, 0.2632, 0.3233

Protanomaly

46.7546, 0.2891, 0.3196

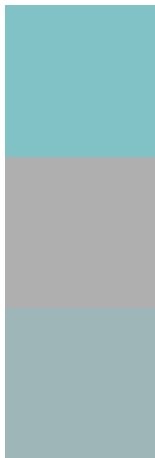
Deuteranomaly

46.4088, 0.2871, 0.3054

Tritanomaly

47.2454, 0.2601, 0.3137

Monochromacy



Original Color

47.3279, 0.2632, 0.3233

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.1439, 0.2922, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3279, 0.2632, 0.3233 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(129, 194, 198)` looks like.

```
.text, #text, p{  
    color:rgb(129, 194, 198)  
}
```

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(129, 194, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 194, 198) }
```

Border

The CSS property to change the border of an element to Yxy 47.3279, 0.2632, 0.3233 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(129, 194, 198) }
```

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

```
.border{ border-color:rgb(129, 194, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 194, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 194, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 194, 198);  
box-shadow:4px 4px 4px 4px rgb(129, 194,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3279, 0.2632, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 194, 198) }
```

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

```
.background{ background-color: rgb(129,  
194, 198) }
```

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