

Converting Colors

$Yxy(47.0107, 0.2647, 0.3206)$

Have a look what the booklet for
Yxy(47.0107, 0.2647, 0.3206)
contains.

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Color

Yxy(47.1690, 0.2643, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	84C1C7
RGB	132, 193, 199
RGB Percent	52%, 76%, 78%
CMY	0.4823, 0.2431, 0.2195
CMYK	0.34, 0.03, 0.00, 0.22
HSL	185°, 37%, 65%
HSV	185°, 34%, 78%
XYZ	38.8979, 47.1690, 61.1063
YIQ	175.4450, -38.2820, -11.0660

Conversions

Conversions Part 2

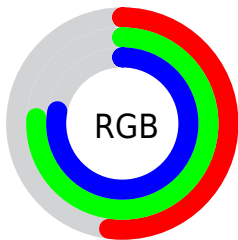
Format	Color
RYB	132, 164, 199
Decimal	8700359
CIELab	74.30, -17.99, -9.28
CIELCh	74, 20.248, 207.293
Yxy	47.1690, 0.2643, 0.3205
Android (android.graphics.Color)	4286890439 (0xFF84C1C7)
YUV	175.4450, 11.6126, -38.1013
Hunter-Lab	68.6797, -19.0931, -4.6762

Details

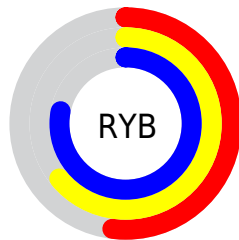
The Yxy color $47.1690, 0.2643, 0.3205$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $32.0012, 0.3880, 0.3372$, and the grayscale version is $43.0682, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1560, 0.2731, 0.3235$, and $22.1718, 0.2514, 0.3173$ is the 20% darker color. If you saturate the color by 10%, you get $44.9290, 0.2523, 0.3176$, and if you desaturate by 10%, it is $49.7284, 0.2776, 0.3232$.

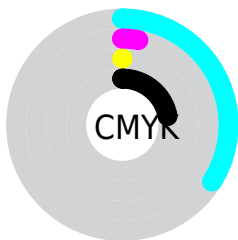
Distribution



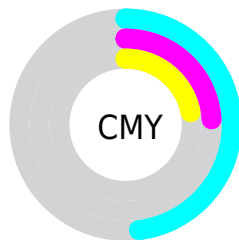
- Red (52%)
- Green (76%)
- Blue (78%)



- Red (52%)
- Yellow (64%)
- Blue (78%)



- Cyan (34%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)





- Cyan (48%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1690, 0.2643, 0.3205 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 47.1690, 0.2643, 0.3205 by changing the saturation by 10% instead.

 47.1690, 0.2643,
0.3205


 47.1690, 0.2643,
0.3205


375.4887, 0.2881,
0.3252


 33.1693, 0.2585,
0.3192


 85.9658, 0.2728,
0.3223

 22.2562, 0.2511,
0.3175


 111.5317, 0.2761,
0.3229

 14.0452, 0.2415,
0.3151


 141.7218, 0.2788,
0.3235

 8.1521, 0.2283,
0.3115

176.9205, 0.2812,
0.3239

 4.1925, 0.2093,
0.3057

217.5121, 0.2833,
0.3243

 1.7818, 0.1798,
0.2952

263.8811, 0.2851,

 0.4758, 0.0078,

0.3246

0.2848

316.4118, 0.2867,
0.3249

0.0000, 0.0000,
0.0000

47.1690, 0.2643,
0.3205

47.1690, 0.2643,
0.3205

44.9290, 0.2523,
0.3176

49.7284, 0.2776,
0.3232

42.9853, 0.2418,
0.3146

52.6178, 0.2920,
0.3258

41.3206, 0.2331,
0.3115

55.8540, 0.3071,
0.3282

39.9133, 0.2262,
0.3084

59.4510, 0.3225,
0.3303

38.7385, 0.2213,
0.3054

63.4221, 0.3382,
0.3323

■ 37.7661, 0.2181,
0.3023

■ 67.7799, 0.3538,
0.3340

■ 37.2206, 0.2168,
0.3004

■ 69.3066, 0.3562,
0.3358

■ 70.1716, 0.3558,
0.3377

■ 71.0465, 0.3554,
0.3395

Harmonies

Analogous

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



47.1690, 0.2813, 0.3474



47.1690, 0.2643, 0.3205



47.1690, 0.2597, 0.2977

Triad

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



47.1690, 0.2643, 0.3205



47.1690, 0.3164, 0.2928



47.1690, 0.3580, 0.3739

Complementary

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



47.1690, 0.2643, 0.3205



32.0012, 0.3880, 0.3372

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.



47.1690, 0.3686, 0.3569



47.1690, 0.2643, 0.3205



47.1690, 0.3441, 0.3110

Square

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



47.1690, 0.2643, 0.3205



47.1690, 0.2888, 0.2831



47.1690, 0.3636, 0.3340



47.1690, 0.3352, 0.3792

Rectangle

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



47.1690, 0.2643, 0.3205



47.1690, 0.2641, 0.2877



47.1690, 0.3636, 0.3340



47.1690, 0.3631, 0.3692

Sweetspot

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



47.1709, 0.2643, 0.3205



94.0246, 0.2972, 0.3267



47.5912, 0.3044, 0.4198



19.9564, 0.2951, 0.3263



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.



47.1709, 0.2643, 0.3205



79.7937, 0.2558, 0.3185



34.1500, 0.2581, 0.2722



11.8980, 0.2984, 0.3269



23.9917, 0.2169, 0.3008



1.1850, 0.2187, 0.3072

Inverse Universe

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



32.5012, 0.3225, 0.2530



50.6852, 0.3249, 0.2378



42.9783, 0.3738, 0.3797



10.7995, 0.3151, 0.3082



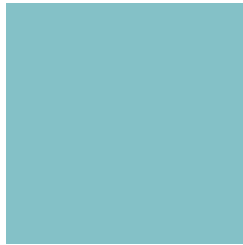
9.9620, 0.3447, 0.1673



0.4766, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 47.1690, 0.2643, 0.3205 looks on a white background.

Color Contrast Check

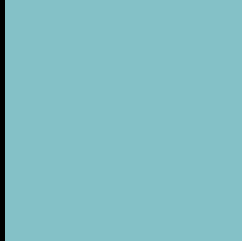
Large Text (above 18pt) WCAG AA × Fail

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 47.1690, 0.2643, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

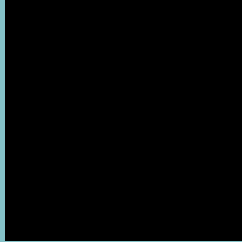
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1690, 0.2643, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 47.1690, 0.2643, 0.3205.



This preview shows how white text looks on a background with the Yxy color 47.1690, 0.2643, 0.3205.

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

47.1690, 0.2643, 0.3205

Protanopia

46.7986, 0.3050, 0.3148

Deuteranopia

46.6557, 0.3040, 0.2978



Tritanopia

47.2726, 0.2606, 0.3084

Trichromacy



Original Color

47.1690, 0.2643, 0.3205

Protanomaly

46.5306, 0.2884, 0.3157

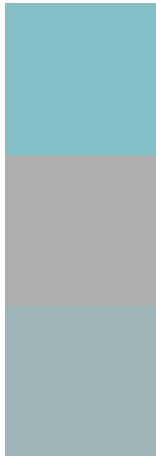
Deuteranomaly

46.5190, 0.2879, 0.3055

Tritanomaly

47.0455, 0.2618, 0.3124

Monochromacy



Original Color

47.1690, 0.2643, 0.3205

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.2875, 0.2922, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1690, 0.2643, 0.3205 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(132, 193, 199)` looks like.

```
.text, #text, p{  
    color:rgb(132, 193, 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(132, 193, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 193, 199) }
```

Border

The CSS property to change the border of an element to Yxy 47.1690, 0.2643, 0.3205 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(132, 193, 199) }
```

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

```
.border{ border-color:rgb(132, 193, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 193, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 193, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 193, 199);  
box-shadow:4px 4px 4px 4px rgb(132, 193,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1690, 0.2643, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 193, 199) }
```

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

```
.background{ background-color: rgb(132,  
193, 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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