

Converting Colors

$Yxy(48.6861, 0.2700, 0.3429)$

Have a look what the booklet for
Yxy(48.6861, 0.2700, 0.3429)
contains.

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Color

Yxy(48.6861, 0.2700, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	81C6BC
RGB	129, 198, 188
RGB Percent	51%, 78%, 74%
CMY	0.4938, 0.2236, 0.2627
CMYK	0.35, 0.00, 0.05, 0.22
HSL	171°, 38%, 64%
HSV	171°, 35%, 78%
XYZ	38.3355, 48.6861, 54.9618
YIQ	176.2290, -37.9140, -17.7380

Conversions

Conversions Part 2

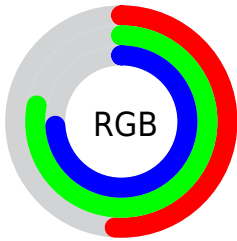
Format	Color
RYB	129, 166, 198
Decimal	8505020
CIELab	75.26, -23.92, -1.91
CIELCh	75, 23.996, 184.558
Yxy	48.6861, 0.2700, 0.3429
Android (android.graphics.Color)	4286695100 (0xFF81C6BC)
YUV	176.2290, 5.8031, -41.4198
Hunter-Lab	69.7754, -24.0368, 2.1404

Details

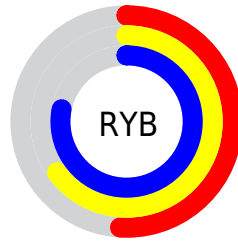
The Yxy color **48.6861, 0.2700, 0.3429** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.5942, 0.3823, 0.3159**, and the grayscale version is **43.5368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2420, 0.2775, 0.3408**, and **23.2323, 0.2584, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **47.1612, 0.2602, 0.3476**, and if you desaturate by 10%, it is **50.5178, 0.2811, 0.3385**.

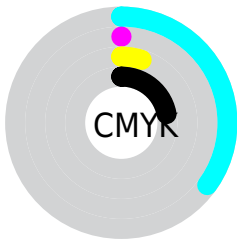
Distribution



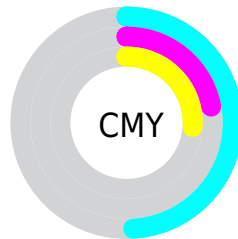
- Red (51%)
- Green (78%)
- Blue (74%)



- Red (51%)
- Yellow (65%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (49%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6861, 0.2700, 0.3429 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 48.6861, 0.2700, 0.3429 by changing the saturation by 10% instead.


 48.6861, 0.2700,
0.3429


 48.6861, 0.2700,
0.3429


381.5053, 0.2911,
0.3362


 34.3705, 0.2648,
0.3445


 88.2251, 0.2776,
0.3405

 23.1784, 0.2583,
0.3466


 114.2173, 0.2804,
0.3396

 14.7253, 0.2496,
0.3492


 144.8705, 0.2829,
0.3388

 8.6268, 0.2377,
0.3528

180.5690, 0.2850,
0.3381

 4.4986, 0.2205,
0.3578

221.6974, 0.2868,
0.3375

 1.9562, 0.1932,
0.3653

268.6400, 0.2884,

 0.5818, 0.0000,

0.3370

0.4314

321.7811, 0.2898,
0.3366

0.0000, 0.0000,
0.0000

48.6861, 0.2700,
0.3429

48.6861, 0.2700,
0.3429

47.1612, 0.2602,
0.3476

50.5178, 0.2811,
0.3385

45.9198, 0.2520,
0.3524

52.6665, 0.2933,
0.3344

44.9447, 0.2455,
0.3575


55.1491, 0.3063,
0.3307

44.2143, 0.2410,
0.3625

57.9794, 0.3198,
0.3273


43.7037, 0.2384,
0.3677

61.1706, 0.3335,
0.3242

 43.3823, 0.2376,
0.3727

 64.7352, 0.3472,
0.3215

 43.2594, 0.2376,
0.3754

 66.2001, 0.3506,
0.3187

 66.3425, 0.3484,
0.3158

 66.4875, 0.3461,
0.3129

Harmonies

Analogous

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



48.6861, 0.2981, 0.3717



48.6861, 0.2700, 0.3429



48.6861, 0.2536, 0.3114

Triad

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



48.6861, 0.2700, 0.3429



48.6861, 0.2920, 0.2774



48.6861, 0.3769, 0.3669

Complementary

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



48.6861, 0.2700, 0.3429



29.5942, 0.3823, 0.3159

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.



48.6861, 0.3757, 0.3412



48.6861, 0.2700, 0.3429



48.6861, 0.3251, 0.2912

Square

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



48.6861, 0.2700, 0.3429



48.6861, 0.2657, 0.2755



48.6861, 0.3563, 0.3140



48.6861, 0.3602, 0.3845

Rectangle

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



48.6861, 0.2700, 0.3429



48.6861, 0.2509, 0.2941



48.6861, 0.3563, 0.3140



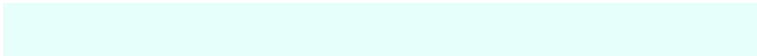
48.6861, 0.3786, 0.3589

Sweetspot

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



48.6881, 0.2700, 0.3429



95.2449, 0.2993, 0.3326



47.4953, 0.3156, 0.4298



20.2541, 0.2974, 0.3332



0.0000, 0.0000, 0.0000



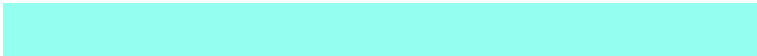
21.4041, 0.3127, 0.3290

Same Dimension

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



48.6881, 0.2700, 0.3429



84.0681, 0.2622, 0.3465



38.9740, 0.2594, 0.2942



12.0401, 0.3003, 0.3324



28.1465, 0.2374, 0.3747



1.3402, 0.2345, 0.3641

Inverse Universe

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



29.5942, 0.3823, 0.3159



45.0672, 0.4060, 0.3130



36.4408, 0.3833, 0.3611



10.6615, 0.3267, 0.3257



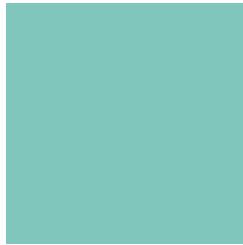
7.8720, 0.6188, 0.3183



0.3810, 0.5694, 0.2911

Previews

White Background



This preview shows how the Yxy color 48.6861, 0.2700, 0.3429 looks on a white background.

Color Contrast Check

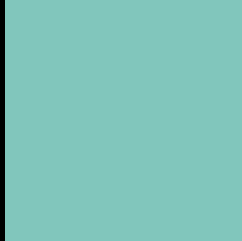
Large Text (above 18pt) WCAG AA × Fail

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 48.6861, 0.2700, 0.3429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

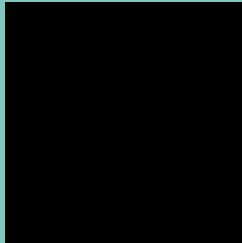
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

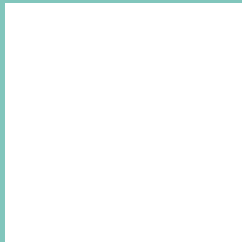
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6861, 0.2700, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 48.6861, 0.2700, 0.3429.



This preview shows how white text looks on a background with the Yxy color 48.6861, 0.2700, 0.3429.

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

48.6861, 0.2700, 0.3429

Protanopia

48.3951, 0.3201, 0.3341

Deuteranopia

48.1881, 0.3195, 0.3130



Tritanopia

48.7517, 0.2594, 0.3086

Trichromacy



Original Color

48.6861, 0.2700, 0.3429

Protanomaly

48.0296, 0.2995, 0.3370

Deuteranomaly

47.8781, 0.2991, 0.3224

Tritanomaly

48.6497, 0.2631, 0.3206

Monochromacy



Original Color

48.6861, 0.2700, 0.3429

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.9472, 0.2952, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6861, 0.2700, 0.3429 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, 198, 188)` looks like.

```
.text, #text, p{  
    color:rgb(129, 198, 188)  
}
```

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, 198, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 198, 188) }
```

Border

The CSS property to change the border of an element to Yxy 48.6861, 0.2700, 0.3429 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, 198, 188) }
```

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

```
.border{ border-color:rgb(129, 198, 188) }
```

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

Here you see how a box with a 4 pixel rgb(129, 198, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 198, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 198, 188);  
box-shadow:4px 4px 4px 4px rgb(129, 198,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6861, 0.2700, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 198, 188) }
```

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

```
.background{ background-color: rgb(129,  
198, 188) }
```

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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