

Converting Colors

$Yxy(48.9864, 0.2747, 0.3481)$

Have a look what the booklet for
Yxy(48.9864, 0.2747, 0.3481)
contains.

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Color

Yxy(48.8775, 0.2743, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	85C6B9
RGB	133, 198, 185
RGB Percent	52%, 78%, 73%
CMY	0.4784, 0.2235, 0.2744
CMYK	0.33, 0.00, 0.07, 0.22
HSL	168°, 36%, 65%
HSV	168°, 33%, 78%
XYZ	38.6260, 48.8775, 53.3132
YIQ	177.0830, -34.5670, -17.8230

Conversions

Conversions Part 2

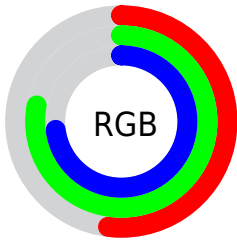
Format	Color
RYB	133, 169, 198
Decimal	8767161
CIELab	75.38, -23.50, -0.09
CIELCh	75, 23.504, 180.226
Yxy	48.8775, 0.2743, 0.3471
Android (android.graphics.Color)	4286957241 (0xFF85C6B9)
YUV	177.0830, 3.9031, -38.6608
Hunter-Lab	69.9124, -23.7270, 3.7259

Details

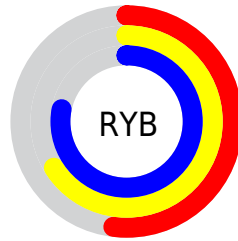
The Yxy color **48.8775, 0.2743, 0.3471** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.8555, 0.3727, 0.3119**, and the grayscale version is **44.0067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5622, 0.2811, 0.3440**, and **23.3179, 0.2636, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **47.2523, 0.2647, 0.3536**, and if you desaturate by 10%, it is **50.8151, 0.2851, 0.3411**.

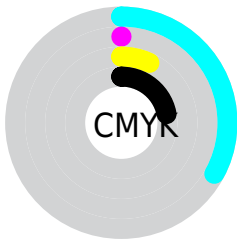
Distribution



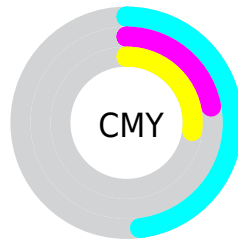
- Red (52%)
- Green (78%)
- Blue (73%)



- Red (52%)
- Yellow (66%)
- Blue (78%)



- Cyan (33%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)




- Cyan (48%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8775, 0.2743, 0.3471 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 48.8775, 0.2743, 0.3471 by changing the saturation by 10% instead.


 48.8775, 0.2743,
0.3471


 48.8775, 0.2743,
0.3471


382.2599, 0.2933,
0.3382

 34.5223, 0.2696,
0.3493


 88.5095, 0.2812,
0.3439

 23.2951, 0.2637,
0.3521


 114.5551, 0.2837,
0.3427

 14.8116, 0.2558,
0.3558


 145.2663, 0.2859,
0.3416

 8.6873, 0.2450,
0.3609

181.0274, 0.2878,
0.3407

 4.5378, 0.2291,
0.3683

222.2230, 0.2895,
0.3400

 1.9787, 0.2038,
0.3802

269.2373, 0.2909,

 0.5951, 0.0000,

0.3393

0.4763

322.4548, 0.2922,
0.3387

0.0000, 0.0000,
0.0000

48.8775, 0.2743,
0.3471

48.8775, 0.2743,
0.3471

47.2523, 0.2647,
0.3536

50.8151, 0.2851,
0.3411

45.9164, 0.2566,
0.3604

53.0749, 0.2968,
0.3355

44.8528, 0.2502,
0.3674


55.6736, 0.3091,
0.3304


44.0406, 0.2457,
0.3746

58.6251, 0.3219,
0.3257

43.4555, 0.2432,
0.3819


61.9423, 0.3347,
0.3216


 43.0684, 0.2425,
0.3891

 65.6376, 0.3476,
0.3180

 42.8744, 0.2429,
0.3943

 66.4372, 0.3470,
0.3141

 66.6399, 0.3439,
0.3101

 66.8476, 0.3408,
0.3061

Harmonies

Analogous

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



48.8775, 0.3030, 0.3739



48.8775, 0.2743, 0.3471



48.8775, 0.2563, 0.3161

Triad

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



48.8775, 0.2743, 0.3471



48.8775, 0.2881, 0.2774



48.8775, 0.3765, 0.3629

Complementary

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



48.8775, 0.2743, 0.3471



30.8555, 0.3727, 0.3119

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.



48.8775, 0.3725, 0.3371



48.8775, 0.2743, 0.3471



48.8775, 0.3201, 0.2894

Square

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



48.8775, 0.2743, 0.3471



48.8775, 0.2639, 0.2775



48.8775, 0.3515, 0.3108



48.8775, 0.3625, 0.3816

Rectangle

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



48.8775, 0.2743, 0.3471



48.8775, 0.2522, 0.2982



48.8775, 0.3515, 0.3108



48.8775, 0.3773, 0.3547

Sweetspot

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



48.8795, 0.2743, 0.3471



95.1569, 0.3001, 0.3340



48.1934, 0.3181, 0.4225



20.2327, 0.2983, 0.3348



0.0000, 0.0000, 0.0000



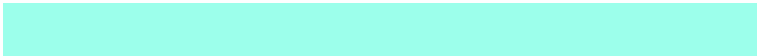
21.4041, 0.3127, 0.3290

Same Dimension

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



48.8795, 0.2743, 0.3471



84.5502, 0.2677, 0.3514



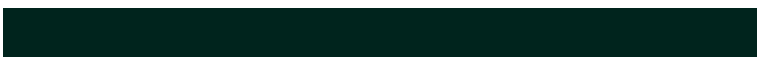
41.1044, 0.2630, 0.3012



12.0299, 0.3010, 0.3336



27.8942, 0.2426, 0.3933



1.3303, 0.2384, 0.3783

Inverse Universe

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



30.8555, 0.3727, 0.3119



47.9969, 0.3908, 0.3084



36.3187, 0.3796, 0.3550



10.6710, 0.3259, 0.3244



7.9151, 0.6056, 0.3110



0.3853, 0.5477, 0.2791

Previews

White Background



This preview shows how the Yxy color 48.8775, 0.2743, 0.3471 looks on a white background.

Color Contrast Check

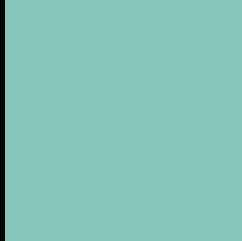
Large Text (above 18pt) WCAG AA × Fail

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 48.8775, 0.2743, 0.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

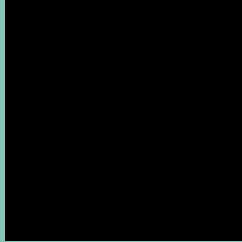
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

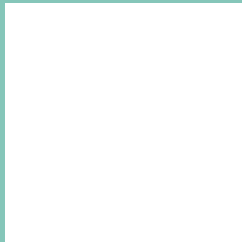
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8775, 0.2743, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 48.8775, 0.2743, 0.3471.

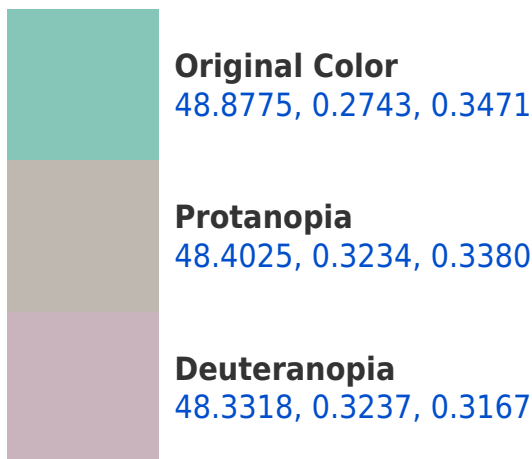


This preview shows how white text looks on a background with the Yxy color 48.8775, 0.2743, 0.3471.

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





Tritanopia

48.7257, 0.2623, 0.3074

Trichromacy



Original Color

48.8775, 0.2743, 0.3471

Protanomaly

48.1255, 0.3032, 0.3410

Deuteranomaly

47.9788, 0.3030, 0.3264

Tritanomaly

48.5656, 0.2666, 0.3207

Monochromacy



Original Color

48.8775, 0.2743, 0.3471

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.5703, 0.2969, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8775, 0.2743, 0.3471 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(133, 198, 185)` looks like.

```
.text, #text, p{  
    color:rgb(133, 198, 185)  
}
```

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(133, 198, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 198, 185) }
```

Border

The CSS property to change the border of an element to Yxy 48.8775, 0.2743, 0.3471 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(133, 198, 185) }
```

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

```
.border{ border-color:rgb(133, 198, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 198, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 198, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 198, 185);  
box-shadow:4px 4px 4px 4px rgb(133, 198,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8775, 0.2743, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 198, 185) }
```

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

```
.background{ background-color: rgb(133,  
198, 185) }
```

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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