

Converting Colors

$Yxy(48.2067, 0.2739, 0.3436)$

Have a look what the booklet for
Yxy(48.2067, 0.2739, 0.3436)
contains.

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Color

Yxy(48.0934, 0.2741, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	86C4BA
RGB	134, 196, 186
RGB Percent	53%, 77%, 73%
CMY	0.4742, 0.2314, 0.2705
CMYK	0.32, 0.00, 0.05, 0.23
HSL	170°, 34%, 65%
HSV	170°, 32%, 77%
XYZ	38.4439, 48.0934, 53.7176
YIQ	176.3220, -33.7420, -16.2540

Conversions

Conversions Part 2

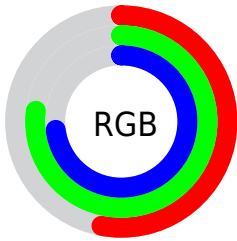
Format	Color
RYB	134, 168, 196
Decimal	8832186
CIELab	74.88, -21.97, -1.34
CIELCh	75, 22.010, 183.483
Yxy	48.0934, 0.2741, 0.3429
Android (android.graphics.Color)	4287022266 (0xFF86C4BA)
YUV	176.3220, 4.7713, -37.1164
Hunter-Lab	69.3494, -22.4099, 2.6189

Details

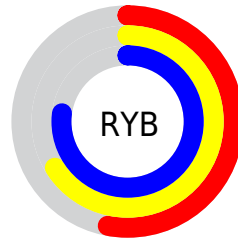
The Yxy color **48.0934, 0.2741, 0.3429** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.8202, 0.3723, 0.3158**, and the grayscale version is **43.5897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4802, 0.2810, 0.3408**, and **22.7888, 0.2631, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **46.4974, 0.2640, 0.3480**, and if you desaturate by 10%, it is **49.9947, 0.2854, 0.3381**.

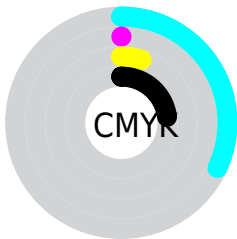
Distribution



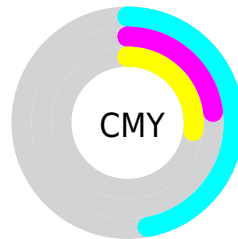
- Red (53%)
- Green (77%)
- Blue (73%)



- Red (53%)
- Yellow (66%)
- Blue (77%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (23%)




- Cyan (47%)
- Magenta (23%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0934, 0.2741, 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 48.0934, 0.2741, 0.3429 by changing the saturation by 10% instead.


 48.0934, 0.2741,
0.3429


 48.0934, 0.2741,
0.3429


379.1622, 0.2932,
0.3361

 33.9009, 0.2694,
0.3446


 87.3435, 0.2810,
0.3405

 22.8174, 0.2634,
0.3466


 113.1697, 0.2836,
0.3395

 14.4588, 0.2555,
0.3494


 143.6428, 0.2858,
0.3388

 8.4404, 0.2445,
0.3531

179.1469, 0.2877,
0.3381

 4.3780, 0.2285,
0.3585

220.0665, 0.2894,
0.3375

 1.8872, 0.2029,
0.3668

266.7860, 0.2908,

 0.5407, 0.0000,

0.3370

0.4421

319.6898, 0.2921,
0.3365

0.0000, 0.0000,
0.0000

48.0934, 0.2741,
0.3429

48.0934, 0.2741,
0.3429

46.4974, 0.2640,
0.3480

49.9947, 0.2854,
0.3381

45.1844, 0.2554,
0.3534

52.2109, 0.2977,
0.3337

44.1382, 0.2485,
0.3590


54.7579, 0.3106,
0.3296


43.3386, 0.2434,
0.3647


57.6492, 0.3239,
0.3259


42.7624, 0.2403,
0.3704

60.8975, 0.3374,
0.3227

 42.3821, 0.2391,
0.3761

 64.5146, 0.3508,
0.3198

 42.1703, 0.2392,
0.3809

 65.2951, 0.3510,
0.3166

 65.4523, 0.3485,
0.3134

 65.6125, 0.3460,
0.3102

Harmonies

Analogous

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



48.0934, 0.3004, 0.3689



48.0934, 0.2741, 0.3429



48.0934, 0.2584, 0.3140

Triad

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



48.0934, 0.2741, 0.3429



48.0934, 0.2926, 0.2809



48.0934, 0.3721, 0.3634

Complementary

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



48.0934, 0.2741, 0.3429



30.8202, 0.3723, 0.3158

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.



48.0934, 0.3702, 0.3395



48.0934, 0.2741, 0.3429



48.0934, 0.3231, 0.2934

Square

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



48.0934, 0.2741, 0.3429



48.0934, 0.2687, 0.2798



48.0934, 0.3520, 0.3144



48.0934, 0.3573, 0.3798

Rectangle

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



48.0934, 0.2741, 0.3429



48.0934, 0.2555, 0.2977



48.0934, 0.3520, 0.3144



48.0934, 0.3734, 0.3560

Sweetspot

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



48.0953, 0.2741, 0.3429



95.6683, 0.3008, 0.3326



47.1633, 0.3163, 0.4189



20.3373, 0.2989, 0.3333



0.0000, 0.0000, 0.0000



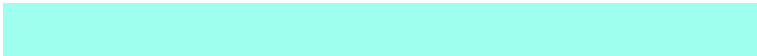
21.4041, 0.3127, 0.3290

Same Dimension

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



48.0953, 0.2741, 0.3429



85.0541, 0.2669, 0.3465



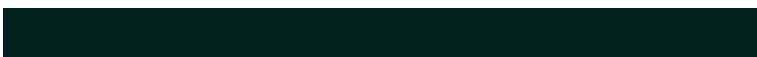
39.8563, 0.2645, 0.2994



11.3997, 0.3005, 0.3327



27.1102, 0.2389, 0.3801



1.1790, 0.2354, 0.3674

Inverse Universe

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



30.8202, 0.3723, 0.3158



48.7927, 0.3917, 0.3128



36.8048, 0.3755, 0.3567



10.1038, 0.3264, 0.3253



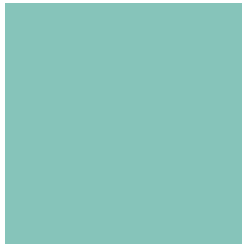
7.6148, 0.6150, 0.3161



0.3375, 0.5592, 0.2854

Previews

White Background



This preview shows how the Yxy color 48.0934, 0.2741, 0.3429 looks on a white background.

Color Contrast Check

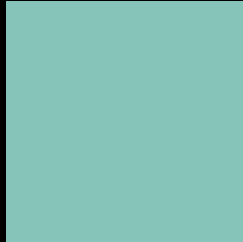
Large Text (above 18pt) WCAG AA × Fail

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 48.0934, 0.2741, 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

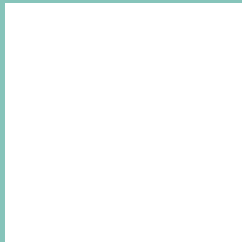
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0934, 0.2741, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 48.0934, 0.2741, 0.3429.



This preview shows how white text looks on a background with the Yxy color 48.0934, 0.2741, 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

48.0934, 0.2741, 0.3429

Protanopia

47.7727, 0.3210, 0.3355

Deuteranopia

47.7006, 0.3212, 0.3142



Tritanopia

48.1830, 0.2633, 0.3087

Trichromacy



Original Color

48.0934, 0.2741, 0.3429

Protanomaly

47.6275, 0.3017, 0.3383

Deuteranomaly

47.4860, 0.3014, 0.3237

Tritanomaly

48.0721, 0.2670, 0.3207

Monochromacy



Original Color

48.0934, 0.2741, 0.3429

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.7393, 0.2968, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0934, 0.2741, 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(134, 196, 186)` looks like.

```
.text, #text, p{  
    color:rgb(134, 196, 186)  
}
```

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(134, 196, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 196, 186) }
```

Border

The CSS property to change the border of an element to Yxy 48.0934, 0.2741, 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(134, 196, 186) }
```

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

```
.border{ border-color:rgb(134, 196, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 196, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 196, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 196, 186);  
box-shadow:4px 4px 4px 4px rgb(134, 196,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0934, 0.2741, 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(134, 196, 186) }
```

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

```
.background{ background-color: rgb(134,  
196, 186) }
```

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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