

Converting Colors

$Y_{xy}(48.0328, 0.2499, 0.3071)$

Have a look what the booklet for
Yxy(48.0328, 0.2499, 0.3071)
contains.

Yxy(48.0849, 0.2495, 0.3069)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.0849, 0.2495, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	76C4D4
RGB	118, 196, 212
RGB Percent	46%, 77%, 83%
CMY	0.5373, 0.2313, 0.1687
CMYK	0.44, 0.08, 0.00, 0.17
HSL	190°, 52%, 65%
HSV	190°, 44%, 83%
XYZ	39.0915, 48.0849, 69.5030
YIQ	174.5020, -51.6240, -11.5600

Conversions

Conversions Part 2

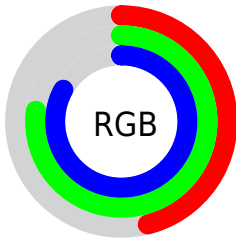
Format	Color
RYB	118, 161, 212
Decimal	7783636
CIELab	74.88, -19.88, -15.52
CIELCh	75, 25.220, 217.972
Yxy	48.0849, 0.2495, 0.3069
Android (android.graphics.Color)	4285973716 (0xFF76C4D4)
YUV	174.5020, 18.4865, -49.5523
Hunter-Lab	69.3433, -20.7233, -10.8862

Details

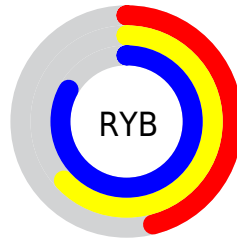
The Yxy color **48.0849, 0.2495, 0.3069** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.3439, 0.4205, 0.3493**, and the grayscale version is **42.5204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5845, 0.2674, 0.3267**, and **22.7724, 0.2332, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **45.1592, 0.2382, 0.3011**, and if you desaturate by 10%, it is **51.3868, 0.2623, 0.3125**.

Distribution



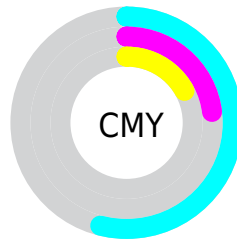
- Red (46%)
- Green (77%)
- Blue (83%)



- Red (46%)
- Yellow (63%)
- Blue (83%)



- Cyan (44%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)





- Cyan (54%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0849, 0.2495, 0.3069 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 48.0849, 0.2495, 0.3069 by changing the saturation by 10% instead.


 48.0849, 0.2495,
0.3069


 48.0849, 0.2495,
0.3069


379.1286, 0.2802,
0.3186

 33.8941, 0.2421,
0.3038


 87.3308, 0.2604,
0.3113

 22.8123, 0.2329,
0.2998


 113.1547, 0.2646,
0.3129

 14.4550, 0.2209,
0.2944


 143.6251, 0.2682,
0.3142

 8.4378, 0.2048,
0.2866

179.1264, 0.2712,
0.3153

 4.3763, 0.1822,
0.2746

220.0430, 0.2739,
0.3163

 1.8862, 0.1488,
0.2544

266.7593, 0.2763,

 0.5401, 0.0115,

0.3172

0.2224

319.6597, 0.2783,
0.3179

0.0000, 0.0000,
0.0000

48.0849, 0.2495,
0.3069

48.0849, 0.2495,
0.3069

45.1592, 0.2382,
0.3011

51.3868, 0.2623,
0.3125

42.5813, 0.2285,
0.2950

55.0802, 0.2761,
0.3178

40.3274, 0.2208,
0.2889

59.1861, 0.2908,
0.3227

38.3677, 0.2149,
0.2828

63.7222, 0.3060,
0.3272

36.6662, 0.2109,
0.2767

68.7052, 0.3214,
0.3313

■ 35.7835, 0.2093,
0.2733

■ 74.1509, 0.3369,
0.3349

■ 77.8526, 0.3436,
0.3384

■ 79.7793, 0.3430,
0.3420

■ 81.7471, 0.3424,
0.3456

Harmonies

Analogous

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



48.0849, 0.2650, 0.3397



48.0849, 0.2495, 0.3069



48.0849, 0.2498, 0.2828

Triad

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



48.0849, 0.2495, 0.3069



48.0849, 0.3298, 0.2916



48.0849, 0.3597, 0.3888

Complementary

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



48.0849, 0.2495, 0.3069



32.3439, 0.4205, 0.3493

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.



48.0849, 0.3793, 0.3715



48.0849, 0.2495, 0.3069



48.0849, 0.3619, 0.3163

Square

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



48.0849, 0.2495, 0.3069



48.0849, 0.2945, 0.2758



48.0849, 0.3804, 0.3449



48.0849, 0.3280, 0.3896

Rectangle

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



48.0849, 0.2495, 0.3069



48.0849, 0.2588, 0.2742



48.0849, 0.3804, 0.3449



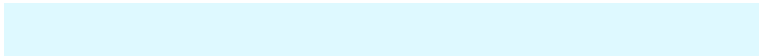
48.0849, 0.3680, 0.3846

Sweetspot

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



48.0868, 0.2495, 0.3069



90.7022, 0.2926, 0.3232



52.6451, 0.2974, 0.4437



19.1006, 0.2893, 0.3222



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.



48.0868, 0.2495, 0.3069



68.9272, 0.2390, 0.3015



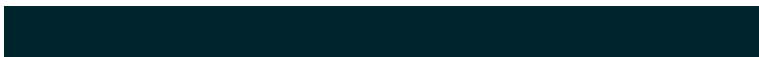
30.1987, 0.2376, 0.2380



13.7317, 0.2983, 0.3249



22.2213, 0.2095, 0.2742



1.4375, 0.2124, 0.2846

Inverse Universe

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



30.9339, 0.3342, 0.2372



40.4843, 0.3400, 0.2202



48.2113, 0.3937, 0.4050



12.5948, 0.3163, 0.3099



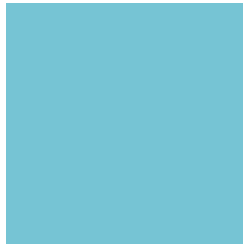
10.5881, 0.3689, 0.1806



0.6484, 0.3592, 0.1753

Previews

White Background



This preview shows how the Yxy color 48.0849, 0.2495, 0.3069 looks on a white background.

Color Contrast Check

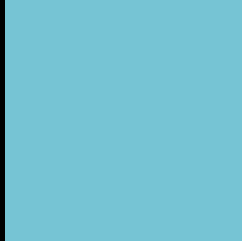
Large Text (above 18pt) WCAG AA × Fail

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 48.0849, 0.2495, 0.3069 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 48.0849, 0.2495, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 48.0849, 0.2495, 0.3069.

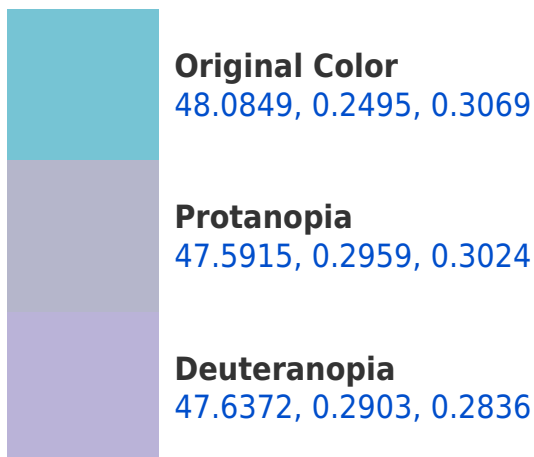


This preview shows how white text looks on a background with the Yxy color 48.0849, 0.2495, 0.3069.

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

48.0849, 0.2495, 0.3069

Trichromacy



Original Color

48.0849, 0.2495, 0.3069

Protanomaly

47.2660, 0.2766, 0.3039

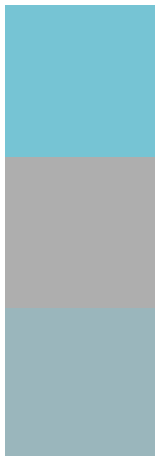
Deuteranomaly

47.1813, 0.2726, 0.2902

Tritanomaly

48.0849, 0.2495, 0.3069

Monochromacy



Original Color

48.0849, 0.2495, 0.3069

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.9568, 0.2854, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0849, 0.2495, 0.3069 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(118, 196, 212)` looks like.

```
.text, #text, p{  
    color:rgb(118, 196, 212)  
}
```

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(118, 196, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 196, 212) }
```

Border

The CSS property to change the border of an element to Yxy 48.0849, 0.2495, 0.3069 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(118, 196, 212) }
```

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

```
.border{ border-color:rgb(118, 196, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 196, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 196, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 196, 212);  
box-shadow:4px 4px 4px 4px rgb(118, 196,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0849, 0.2495, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 196, 212) }
```

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

```
.background{ background-color: rgb(118,  
196, 212) }
```

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