

Converting Colors

$Y_{xy}(48.2781, 0.2549, 0.3061)$

Have a look what the booklet for
Yxy(48.2781, 0.2549, 0.3061)
contains.

Yxy(48.3729, 0.2548, 0.3058)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.3729, 0.2548, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	80C3D4
RGB	128, 195, 212
RGB Percent	50%, 76%, 83%
CMY	0.4979, 0.2353, 0.1686
CMYK	0.40, 0.08, 0.00, 0.17
HSL	192°, 49%, 67%
HSV	192°, 40%, 83%
XYZ	40.3055, 48.3729, 69.5064
YIQ	176.9050, -45.3890, -8.9170

Conversions

Conversions Part 2

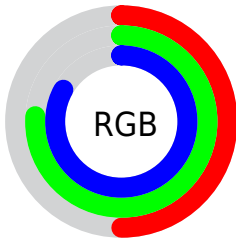
Format	Color
R _{YB}	128, 165, 212
Decimal	8438740
CIE Lab	75.06, -16.85, -15.21
CIE LCh	75, 22.700, 222.065
Yxy	48.3729, 0.2548, 0.3058
Android (android.graphics.Color)	4286628820 (0xFF80C3D4)
YUV	176.9050, 17.3018, -42.8897
Hunter-Lab	69.5506, -18.2706, -10.5668

Details

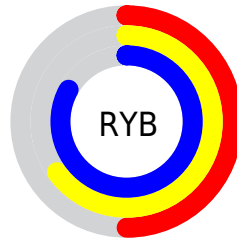
The Yxy color **48.3729, 0.2548, 0.3058** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.8243, 0.4030, 0.3506**, and the grayscale version is **43.8444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0312, 0.2718, 0.3257**, and **22.9005, 0.2396, 0.2989** is the 20% darker color. If you saturate the color by 10%, you get **45.0010, 0.2424, 0.2989**, and if you desaturate by 10%, it is **52.1474, 0.2684, 0.3123**.

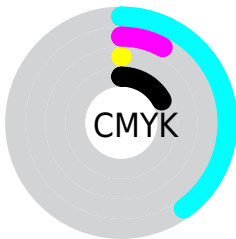
Distribution



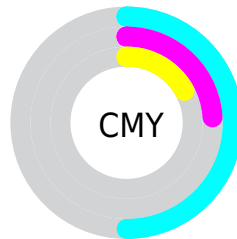
- Red (50%)
- Green (76%)
- Blue (83%)



- Red (50%)
- Yellow (65%)
- Blue (83%)



- Cyan (40%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3729, 0.2548, 0.3058 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 48.3729, 0.2548, 0.3058 by changing the saturation by 10% instead.


 48.3729, 0.2548,
0.3058

 48.3729, 0.2548,
0.3058

380.2683, 0.2830,
0.3179


 34.1223, 0.2480,
0.3027


 87.7594, 0.2648,
0.3103

 22.9876, 0.2395,
0.2986


 113.6640, 0.2687,
0.3119

 14.5843, 0.2284,
0.2931


 144.2221, 0.2719,
0.3133

 8.5282, 0.2136,
0.2853

179.8180, 0.2747,
0.3145

 4.4347, 0.1926,
0.2735

220.8362, 0.2772,
0.3155

 1.9196, 0.1611,
0.2538

267.6611, 0.2793,

 0.5601, 0.0476,

0.3164

0.2203

320.6770, 0.2813,
0.3172

0.0000, 0.0000,
0.0000

48.3729, 0.2548,
0.3058

48.3729, 0.2548,
0.3058

45.0010, 0.2424,
0.2989

52.1474, 0.2684,
0.3123

42.0041, 0.2315,
0.2917

56.3391, 0.2829,
0.3184

39.3596, 0.2224,
0.2844


60.9684, 0.2980,
0.3241

37.0396, 0.2152,
0.2769


66.0529, 0.3133,
0.3292


35.0115, 0.2099,
0.2696


71.6088, 0.3287,
0.3338

 33.2185, 0.2062,
0.2622

 77.6057, 0.3437,
0.3379

 33.1505, 0.2061,
0.2620

 79.9001, 0.3430,
0.3422

 82.2529, 0.3422,
0.3465

 84.6645, 0.3415,
0.3507

Harmonies

Analogous

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



48.3729, 0.2671, 0.3346



48.3729, 0.2548, 0.3058



48.3729, 0.2571, 0.2854

Triad

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



48.3729, 0.2548, 0.3058



48.3729, 0.3325, 0.2979



48.3729, 0.3517, 0.3838

Complementary

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



48.3729, 0.2548, 0.3058



35.8243, 0.4030, 0.3506

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.



48.3729, 0.3711, 0.3703



48.3729, 0.2548, 0.3058



48.3729, 0.3600, 0.3211

Square

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



48.3729, 0.2548, 0.3058



48.3729, 0.3006, 0.2822



48.3729, 0.3743, 0.3472



48.3729, 0.3224, 0.3819

Rectangle

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



48.3729, 0.2548, 0.3058



48.3729, 0.2665, 0.2787



48.3729, 0.3743, 0.3472



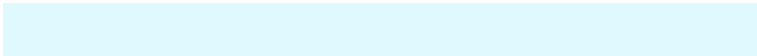
48.3729, 0.3596, 0.3808

Sweetspot

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



48.3748, 0.2548, 0.3058



90.7591, 0.2941, 0.3227



53.7236, 0.2971, 0.4251



19.2241, 0.2921, 0.3220



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.



48.3748, 0.2548, 0.3058



68.8793, 0.2437, 0.2997



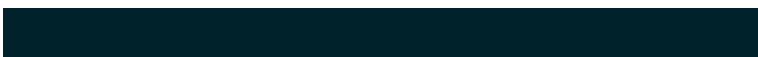
32.2034, 0.2455, 0.2454



13.6606, 0.2983, 0.3242



20.6088, 0.2064, 0.2630



1.3537, 0.2099, 0.2757

Inverse Universe

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



33.3864, 0.3342, 0.2495



43.6502, 0.3405, 0.2327



51.0219, 0.3826, 0.4001



12.5876, 0.3168, 0.3106



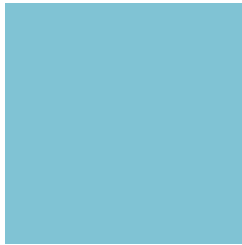
10.4253, 0.3795, 0.1864



0.6400, 0.3675, 0.1798

Previews

White Background



This preview shows how the Yxy color 48.3729, 0.2548, 0.3058 looks on a white background.

Color Contrast Check

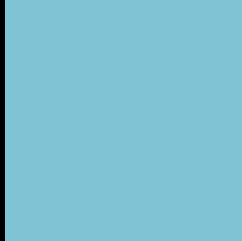
Large Text (above 18pt) WCAG AA × Fail

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 48.3729, 0.2548, 0.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

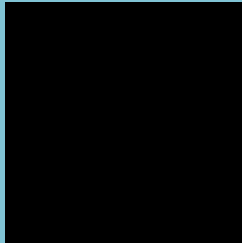
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

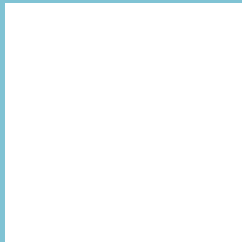
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3729, 0.2548, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 48.3729, 0.2548, 0.3058.



This preview shows how white text looks on a background with the Yxy color 48.3729, 0.2548, 0.3058.

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

48.3729, 0.2548, 0.3058

Protanopia

48.0504, 0.2951, 0.3025

Deuteranopia

48.1136, 0.2918, 0.2861



Tritanopia

48.3226, 0.2553, 0.3071

Trichromacy



Original Color

48.3729, 0.2548, 0.3058

Protanomaly

47.7270, 0.2788, 0.3029

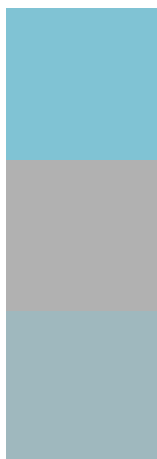
Deuteranomaly

47.6600, 0.2769, 0.2918

Tritanomaly

48.3226, 0.2553, 0.3071

Monochromacy



Original Color

48.3729, 0.2548, 0.3058

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.3696, 0.2880, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3729, 0.2548, 0.3058 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(128, 195, 212)` looks like.

```
.text, #text, p{  
    color:rgb(128, 195, 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(128, 195, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 195, 212) }
```

Border

The CSS property to change the border of an element to Yxy 48.3729, 0.2548, 0.3058 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(128, 195, 212) }
```

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

```
.border{ border-color:rgb(128, 195, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 195, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 195, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 195, 212);  
box-shadow:4px 4px 4px 4px rgb(128, 195,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3729, 0.2548, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 195, 212) }
```

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

```
.background{ background-color: rgb(128,  
195, 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