

Converting Colors

$Y_{xy}(48.3150, 0.2502, 0.3070)$

Have a look what the booklet for
Yxy(48.3150, 0.2502, 0.3070)
contains.

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Color

Yxy(48.1553, 0.2500, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	77C4D4
RGB	119, 196, 212
RGB Percent	47%, 77%, 83%
CMY	0.5335, 0.2313, 0.1686
CMYK	0.44, 0.08, 0.00, 0.17
HSL	190°, 52%, 65%
HSV	190°, 44%, 83%
XYZ	39.2272, 48.1553, 69.5263
YIQ	174.8010, -51.0280, -11.3480

Conversions

Conversions Part 2

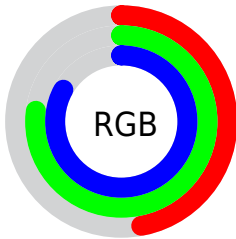
Format	Color
R _Y B	119, 161, 212
Decimal	7849172
CIE Lab	74.92, -19.64, -15.46
CIE LCh	75, 24.997, 218.205
Yxy	48.1553, 0.2500, 0.3069
Android (android.graphics.Color)	4286039252 (0xFF77C4D4)
YUV	174.8010, 18.3391, -48.9375
Hunter-Lab	69.3940, -20.5367, -10.8272

Details

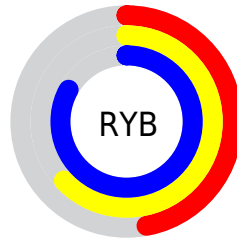
The Yxy color **48.1553, 0.2500, 0.3069** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.6456, 0.4188, 0.3493**, and the grayscale version is **42.6799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7007, 0.2678, 0.3267**, and **22.8045, 0.2338, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **45.1962, 0.2386, 0.3010**, and if you desaturate by 10%, it is **51.4927, 0.2628, 0.3125**.

Distribution



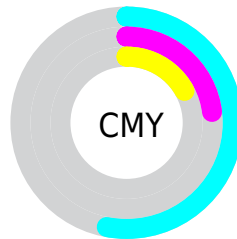
- Red (47%)
- Green (77%)
- Blue (83%)



- Red (47%)
- Yellow (63%)
- Blue (83%)



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





- Cyan (53%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1553, 0.2500, 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 48.1553, 0.2500, 0.3069 by changing the saturation by 10% instead.


 48.1553, 0.2500,
0.3069

 48.1553, 0.2500,
0.3069


379.4074, 0.2805,
0.3185


 33.9499, 0.2427,
0.3038


 87.4356, 0.2608,
0.3112

 22.8551, 0.2335,
0.2998


 113.2792, 0.2650,
0.3128

 14.4866, 0.2216,
0.2944


 143.7711, 0.2685,
0.3142

 8.4598, 0.2056,
0.2866

179.2956, 0.2716,
0.3153

 4.3906, 0.1832,
0.2747

220.2371, 0.2742,
0.3163

 1.8944, 0.1500,
0.2547

266.9799, 0.2765,

 0.5450, 0.0157,

0.3171

0.2228

319.9085, 0.2786,
0.3179

0.0000, 0.0000,
0.0000

48.1553, 0.2500,
0.3069

48.1553, 0.2500,
0.3069

45.1962, 0.2386,
0.3010

51.4927, 0.2628,
0.3125

42.5869, 0.2288,
0.2949

55.2234, 0.2768,
0.3179

40.3038, 0.2209,
0.2887


59.3684, 0.2915,
0.3228


38.3173, 0.2150,
0.2825


63.9455, 0.3067,
0.3273

36.5918, 0.2109,
0.2764


68.9714, 0.3221,
0.3315

 35.6299, 0.2091,
0.2726

 74.4616, 0.3375,
0.3352

 78.0113, 0.3435,
0.3387

 79.9642, 0.3429,
0.3423

 81.9591, 0.3423,
0.3460

Harmonies

Analogous

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



48.1553, 0.2653, 0.3394



48.1553, 0.2500, 0.3069



48.1553, 0.2504, 0.2831

Triad

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



48.1553, 0.2500, 0.3069



48.1553, 0.3299, 0.2921



48.1553, 0.3591, 0.3883

Complementary

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



48.1553, 0.2500, 0.3069



32.6456, 0.4188, 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.



48.1553, 0.3786, 0.3714



48.1553, 0.2500, 0.3069



48.1553, 0.3616, 0.3166

Square

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



48.1553, 0.2500, 0.3069



48.1553, 0.2950, 0.2763



48.1553, 0.3798, 0.3451



48.1553, 0.3276, 0.3889

Rectangle

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



48.1553, 0.2500, 0.3069



48.1553, 0.2594, 0.2746



48.1553, 0.3798, 0.3451



48.1553, 0.3673, 0.3842

Sweetspot

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



48.1572, 0.2500, 0.3069



90.6619, 0.2926, 0.3232



52.7485, 0.2975, 0.4423



19.0905, 0.2893, 0.3221



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.



48.1572, 0.2500, 0.3069



68.7776, 0.2389, 0.3012



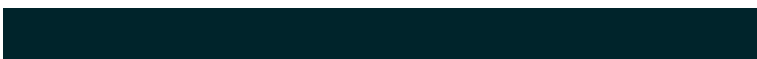
30.4757, 0.2384, 0.2391



13.7274, 0.2983, 0.3249



22.1216, 0.2093, 0.2735



1.4323, 0.2123, 0.2841

Inverse Universe

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



31.1666, 0.3341, 0.2382



40.4692, 0.3402, 0.2204



48.3759, 0.3928, 0.4042



12.5943, 0.3164, 0.3099



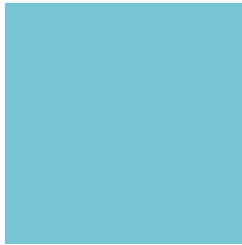
10.5780, 0.3695, 0.1809



0.6479, 0.3597, 0.1755

Previews

White Background



This preview shows how the Yxy color 48.1553, 0.2500, 0.3069 looks on a white background.

Color Contrast Check

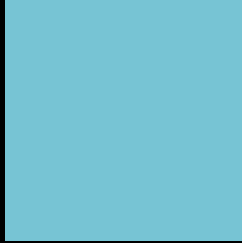
Large Text (above 18pt) WCAG AA × Fail

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 48.1553, 0.2500, 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 48.1553, 0.2500, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 48.1553, 0.2500, 0.3069.



This preview shows how white text looks on a background with the Yxy color 48.1553, 0.2500, 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



Original Color

48.1553, 0.2500, 0.3069

Protanopia

47.5915, 0.2959, 0.3024

Deuteranopia

47.6372, 0.2903, 0.2836



Tritanopia

48.1553, 0.2500, 0.3069

Trichromacy



Original Color

48.1553, 0.2500, 0.3069

Protanomaly

47.2660, 0.2766, 0.3039

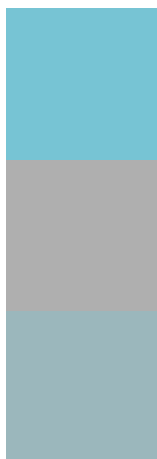
Deuteranomaly

47.2856, 0.2733, 0.2903

Tritanomaly

48.1553, 0.2500, 0.3069

Monochromacy



Original Color

48.1553, 0.2500, 0.3069

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.4664, 0.2863, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1553, 0.2500, 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(119, 196, 212)` looks like.

```
.text, #text, p{  
    color:rgb(119, 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(119, 196, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 196, 212) }
```

Border

The CSS property to change the border of an element to Yxy 48.1553, 0.2500, 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(119, 196, 212) }
```

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

```
.border{ border-color:rgb(119, 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(119, 196, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 196, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 196, 212);  
box-shadow:4px 4px 4px 4px rgb(119, 196,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1553, 0.2500, 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(119, 196, 212) }
```

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

```
.background{ background-color: rgb(119,  
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](#).

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