

Converting Colors

$Y_{xy}(48.8043, 0.2476, 0.3274)$

Have a look what the booklet for
Yxy(48.8043, 0.2476, 0.3274)
contains.

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Color

Yxy(48.8043, 0.2476, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	65C9CA
RGB	101, 201, 202
RGB Percent	40%, 79%, 79%
CMY	0.6042, 0.2117, 0.2078
CMYK	0.50, 0.00, 0.00, 0.21
HSL	181°, 49%, 59%
HSV	181°, 50%, 79%
XYZ	36.9088, 48.8043, 63.3532
YIQ	171.2140, -59.9210, -20.8890

Conversions

Conversions Part 2

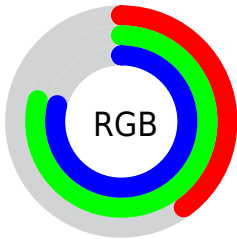
Format	Color
RYB	101, 151, 202
Decimal	6670794
CIELab	75.33, -28.88, -9.50
CIELCh	75, 30.402, 198.215
Yxy	48.8043, 0.2476, 0.3274
Android (android.graphics.Color)	4284860874 (0xFF65C9CA)
YUV	171.2140, 15.1775, -61.5777
Hunter-Lab	69.8601, -27.9492, -4.8656

Details

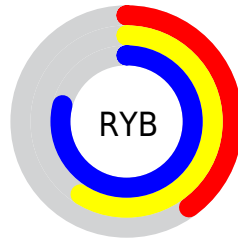
The Yxy color **48.8043, 0.2476, 0.3274** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.9844, 0.4524, 0.3307**, and the grayscale version is **40.7761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **23.3806, 0.2307, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **47.6884, 0.2392, 0.3271**, and if you desaturate by 10%, it is **50.2105, 0.2578, 0.3277**.

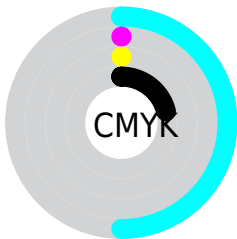
Distribution



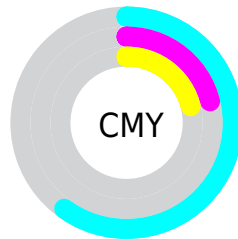
- Red (40%)
- Green (79%)
- Blue (79%)



- Red (40%)
- Yellow (59%)
- Blue (79%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)





- Cyan (60%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8043, 0.2476, 0.3274 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 48.8043, 0.2476, 0.3274 by changing the saturation by 10% instead.


 48.8043, 0.2476,
0.3274


 48.8043, 0.2476,
0.3274


381.9714, 0.2793,
0.3289


 34.4643, 0.2400,
0.3268


 88.4007, 0.2589,
0.3281

 23.2505, 0.2304,
0.3259


 114.4259, 0.2632,
0.3283

 14.7786, 0.2180,
0.3245


 145.1149, 0.2668,
0.3285

 8.6641, 0.2013,
0.3222

 180.8522, 0.2700,
0.3286

 4.5228, 0.1778,
0.3180

222.0221, 0.2728,
0.3287

 1.9701, 0.1429,
0.3094

269.0089, 0.2752,

 0.5900, 0.0000,

0.3288

0.3043

322.1973, 0.2773,
0.3289

0.0000, 0.0000,
0.0000

48.8043, 0.2476,
0.3274

48.8043, 0.2476,
0.3274

47.6884, 0.2392,
0.3271

50.2105, 0.2578,
0.3277

46.8359, 0.2327,
0.3267

51.9206, 0.2697,
0.3281

46.2242, 0.2281,
0.3264

53.9541, 0.2830,
0.3284

45.8244, 0.2253,
0.3261

56.3271, 0.2974,
0.3287

45.5827, 0.2238,
0.3258

59.0549, 0.3127,
0.3290

■ 62.1515, 0.3284,
0.3293

■ 65.6306, 0.3445,
0.3295

■ 68.0464, 0.3545,
0.3297

■ 68.1398, 0.3545,
0.3299

Harmonies

Analogous

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



48.8043, 0.2764, 0.3682



48.8043, 0.2476, 0.3274



48.8043, 0.2357, 0.2906

Triad

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



48.8043, 0.2476, 0.3274



48.8043, 0.3047, 0.2710



48.8043, 0.3866, 0.3881

Complementary

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



48.8043, 0.2476, 0.3274



22.9844, 0.4524, 0.3307

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.



48.8043, 0.3963, 0.3587



48.8043, 0.2476, 0.3274



48.8043, 0.3473, 0.2936

Square

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



48.8043, 0.2476, 0.3274



48.8043, 0.2669, 0.2614



48.8043, 0.3818, 0.3248



48.8043, 0.3567, 0.4038

Rectangle

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



48.8043, 0.2476, 0.3274



48.8043, 0.2382, 0.2735



48.8043, 0.3818, 0.3248



48.8043, 0.3924, 0.3793

Sweetspot

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



48.8062, 0.2476, 0.3274



93.2142, 0.2898, 0.3286



45.9441, 0.3053, 0.4866



19.7713, 0.2868, 0.3285



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.



48.8062, 0.2476, 0.3274



80.6105, 0.2386, 0.3270



29.3126, 0.2330, 0.2514



12.7074, 0.2984, 0.3287



29.3391, 0.2238, 0.3258



1.5198, 0.2240, 0.3264

Inverse Universe

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



26.0699, 0.3194, 0.2105



37.8864, 0.3206, 0.1904



35.7804, 0.4167, 0.3939



11.4018, 0.3139, 0.3064



10.7648, 0.3234, 0.1555



0.5560, 0.3229, 0.1552

Previews

White Background



This preview shows how the Yxy color 48.8043, 0.2476, 0.3274 looks on a white background.

Color Contrast Check

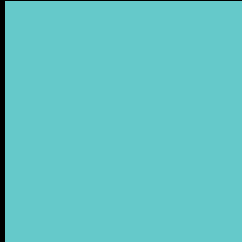
Large Text (above 18pt) WCAG AA × Fail

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 48.8043, 0.2476, 0.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

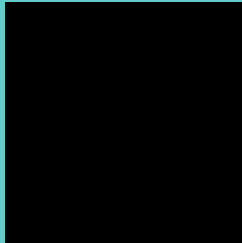
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

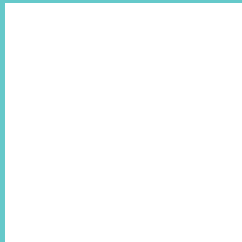
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8043, 0.2476, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 48.8043, 0.2476, 0.3274.

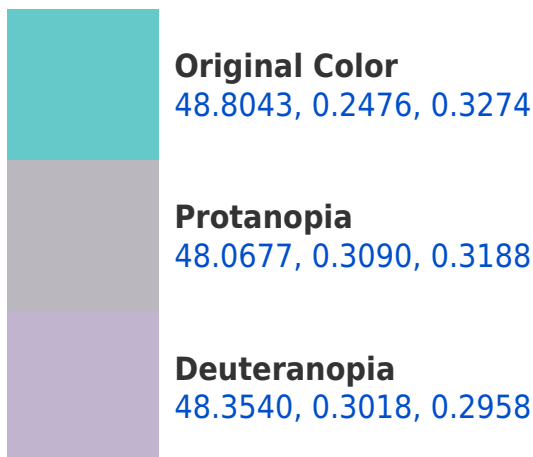


This preview shows how white text looks on a background with the Yxy color 48.8043, 0.2476, 0.3274.

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

48.7564, 0.2423, 0.3068

Trichromacy



Original Color

48.8043, 0.2476, 0.3274

Protanomaly

47.7356, 0.2820, 0.3222

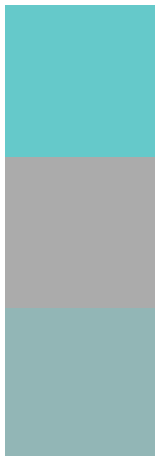
Deuteranomaly

47.7451, 0.2780, 0.3066

Tritanomaly

48.9048, 0.2446, 0.3149

Monochromacy



Original Color

48.8043, 0.2476, 0.3274

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.9443, 0.2836, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8043, 0.2476, 0.3274 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(101, 201, 202)` looks like.

```
.text, #text, p{  
    color:rgb(101, 201, 202)  
}
```

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(101, 201, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 201, 202) }
```

Border

The CSS property to change the border of an element to Yxy 48.8043, 0.2476, 0.3274 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(101, 201, 202) }
```

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

```
.border{ border-color:rgb(101, 201, 202) }
```

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

Here you see how a box with a 4 pixel rgb(101, 201, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 201, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 201, 202);  
box-shadow:4px 4px 4px 4px rgb(101, 201,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8043, 0.2476, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 201, 202) }
```

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

```
.background{ background-color: rgb(101,  
201, 202) }
```

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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