

Converting Colors

$Y_{xy}(47.1025, 0.2399, 0.3301)$

Have a look what the booklet for
Yxy(47.1025, 0.2399, 0.3301)
contains.

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Color

Yxy(47.1375, 0.2401, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	50C8C7
RGB	80, 200, 199
RGB Percent	31%, 78%, 78%
CMY	0.6862, 0.2157, 0.2195
CMYK	0.60, 0.00, 0.00, 0.22
HSL	180°, 52%, 55%
HSV	180°, 60%, 78%
XYZ	34.2753, 47.1375, 61.3416
YIQ	164.0060, -71.1990, -25.7510

Conversions

Conversions Part 2

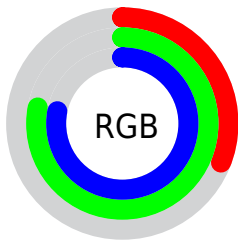
Format	Color
RYB	80, 140, 200
Decimal	5294279
CIELab	74.28, -33.24, -9.53
CIELCh	74, 34.576, 196.000
Yxy	47.1375, 0.2401, 0.3302
Android (android.graphics.Color)	4283484359 (0xFF50C8C7)
YUV	164.0060, 17.2520, -73.6733
Hunter-Lab	68.6568, -31.0372, -4.9131

Details

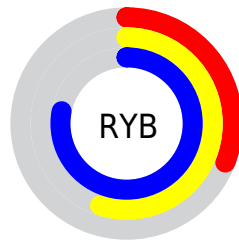
The Yxy color **47.1375, 0.2401, 0.3302** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.6148, 0.4971, 0.3284**, and the grayscale version is **37.0742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **22.2951, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **46.3866, 0.2337, 0.3304**, and if you desaturate by 10%, it is **48.1510, 0.2484, 0.3300**.

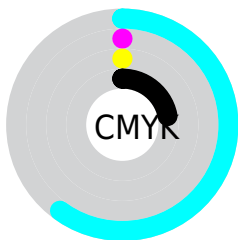
Distribution



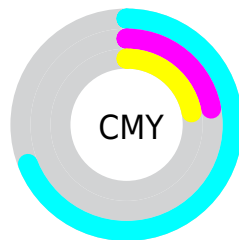
- Red (31%)
- Green (78%)
- Blue (78%)



- Red (31%)
- Yellow (55%)
- Blue (78%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (69%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1375, 0.2401, 0.3302 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 47.1375, 0.2401, 0.3302 by changing the saturation by 10% instead.


 47.1375, 0.2401,
0.3302

 47.1375, 0.2401,
0.3302


375.3631, 0.2755,
0.3305

 33.1444, 0.2316,
0.3299


 85.9188, 0.2527,
0.3305


 22.2371, 0.2208,
0.3293


 111.4758, 0.2576,
0.3306

 14.0312, 0.2069,
0.3282


 141.6562, 0.2617,
0.3306

 8.1424, 0.1881,
0.3262

 176.8444, 0.2652,
0.3306

 4.1862, 0.1619,
0.3222

217.4248, 0.2683,
0.3306

 1.7782, 0.1218,
0.3136

263.7818, 0.2710,

 0.4736, 0.0000,

0.3306

0.2832

316.2998, 0.2734,
0.3305

■ 0.0000, 0.0000,
0.0000

■ 47.1375, 0.2401,
0.3302

■ 47.1375, 0.2401,
0.3302

■ 46.3866, 0.2337,
0.3304

■ 48.1510, 0.2484,
0.3300

■ 45.8693, 0.2293,
0.3307

■ 49.4427, 0.2585,
0.3297

■ 45.5591, 0.2266,
0.3309

■ 51.0330, 0.2702,
0.3295

■ 45.4028, 0.2253,
0.3312

■ 52.9392, 0.2833,
0.3293

■ 45.4026, 0.2253,
0.3312

■ 55.1769, 0.2976,
0.3292

■ 57.7610, 0.3127,
0.3290

■ 60.7053, 0.3284,
0.3289

■ 64.0230, 0.3443,
0.3287

■ 66.7604, 0.3563,
0.3286

Harmonies

Analogous

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



47.1375, 0.2739, 0.3777



47.1375, 0.2401, 0.3302



47.1375, 0.2254, 0.2870

Triad

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



47.1375, 0.2401, 0.3302



47.1375, 0.2997, 0.2618



47.1375, 0.3991, 0.3939

Complementary

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



47.1375, 0.2401, 0.3302



18.6148, 0.4971, 0.3284

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.



47.1375, 0.4087, 0.3593



47.1375, 0.2401, 0.3302



47.1375, 0.3488, 0.2864

Square

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



47.1375, 0.2401, 0.3302



47.1375, 0.2576, 0.2520



47.1375, 0.3900, 0.3209



47.1375, 0.3658, 0.4146

Rectangle

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



47.1375, 0.2401, 0.3302



47.1375, 0.2272, 0.2669



47.1375, 0.3900, 0.3209



47.1375, 0.4053, 0.3833

Sweetspot

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



47.1393, 0.2401, 0.3302



92.2860, 0.2857, 0.3293



43.6824, 0.3048, 0.5204



19.5257, 0.2817, 0.3294



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.



47.1393, 0.2401, 0.3302



79.9996, 0.2322, 0.3305



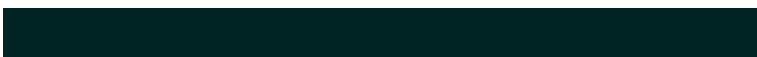
25.2267, 0.2190, 0.2360



12.0660, 0.2985, 0.3291



28.8699, 0.2253, 0.3312



1.3675, 0.2252, 0.3306

Inverse Universe

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



18.6148, 0.4971, 0.3284



26.2970, 0.5589, 0.3286



31.0398, 0.4452, 0.4022



10.6383, 0.3288, 0.3289



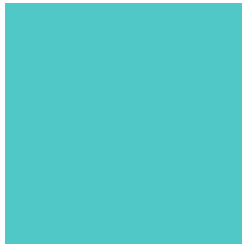
7.8105, 0.6391, 0.3294



0.3703, 0.6355, 0.3275

Previews

White Background



This preview shows how the Yxy color 47.1375, 0.2401, 0.3302 looks on a white background.

Color Contrast Check

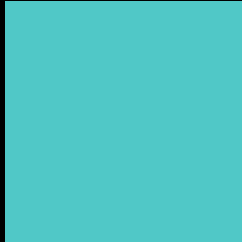
Large Text (above 18pt) WCAG AA × Fail

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 47.1375, 0.2401, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

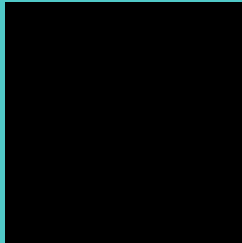
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

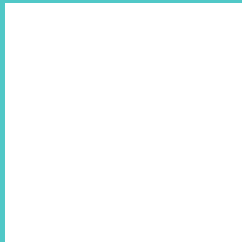
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1375, 0.2401, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 47.1375, 0.2401, 0.3302.

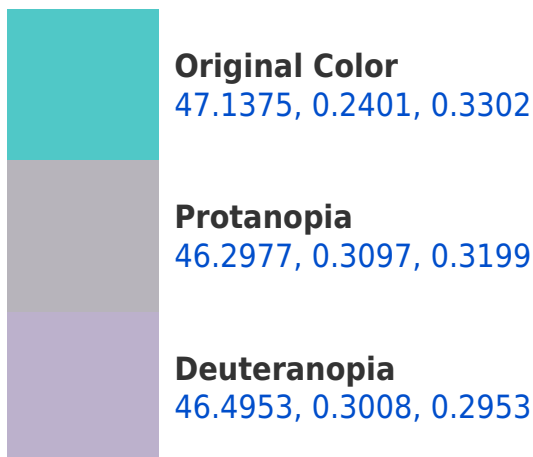


This preview shows how white text looks on a background with the Yxy color 47.1375, 0.2401, 0.3302.

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

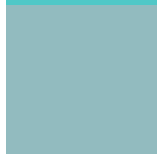
47.2216, 0.2345, 0.3062

Trichromacy



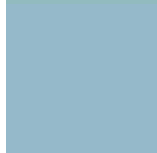
Original Color

47.1375, 0.2401, 0.3302



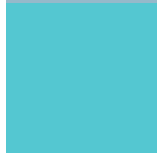
Protanomaly

45.4132, 0.2779, 0.3234



Deuteranomaly

45.3518, 0.2725, 0.3059



Tritanomaly

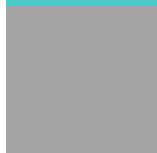
47.3351, 0.2365, 0.3145

Monochromacy



Original Color

47.1375, 0.2401, 0.3302



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.6052, 0.2768, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1375, 0.2401, 0.3302 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(80, 200, 199)` looks like.

```
.text, #text, p{  
    color:rgb(80, 200, 199)  
}
```

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(80, 200, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 200, 199) }
```

Border

The CSS property to change the border of an element to Yxy 47.1375, 0.2401, 0.3302 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(80, 200, 199) }
```

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

```
.border{ border-color:rgb(80, 200, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 200, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 200, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 200, 199);  
box-shadow:4px 4px 4px 4px rgb(80, 200,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1375, 0.2401, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 200, 199) }
```

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

```
.background{ background-color: rgb(80, 200,  
199) }
```

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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