

Converting Colors

$Y_{xy}(48.7005, 0.2359, 0.3391)$

Have a look what the booklet for
Yxy(48.7005, 0.2359, 0.3391)
contains.

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Color

Yxy(48.7005, 0.2359, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	3CCDC6
RGB	60, 205, 198
RGB Percent	24%, 80%, 78%
CMY	0.7654, 0.1960, 0.2235
CMYK	0.71, 0.00, 0.03, 0.20
HSL	177°, 59%, 52%
HSV	177°, 71%, 80%
XYZ	33.8792, 48.7005, 61.0372
YIQ	160.8470, -84.1730, -32.9170

Conversions

Conversions Part 2

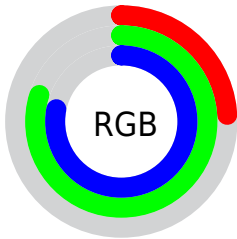
Format	Color
RYB	60, 134, 205
Decimal	3984838
CIELab	75.26, -38.87, -7.56
CIELCh	75, 39.594, 191.000
Yxy	48.7005, 0.2359, 0.3391
Android (android.graphics.Color)	4282174918 (0xFF3CCDC6)
YUV	160.8470, 18.3164, -88.4428
Hunter-Lab	69.7857, -35.4678, -3.0072

Details

The Yxy color **48.7005, 0.2359, 0.3391** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **16.5985, 0.5406, 0.3228**, and the grayscale version is **35.4873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **23.8263, 0.2280, 0.3408** is the 20% darker color. If you saturate the color by 10%, you get **48.1392, 0.2319, 0.3407**, and if you desaturate by 10%, it is **49.5128, 0.2418, 0.3375**.

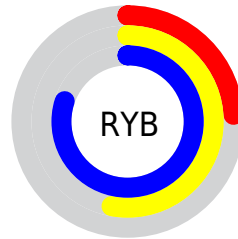
Distribution



Red (24%)

Green (80%)

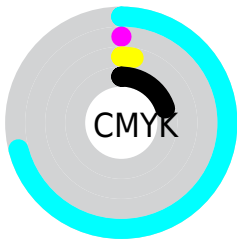
Blue (78%)



Red (24%)

Yellow (53%)

Blue (80%)

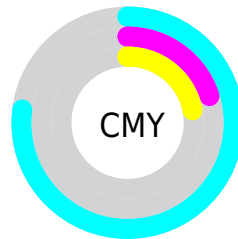


Cyan (71%)

Magenta (0%)

Yellow (3%)

Black (20%)



Cyan (77%)


Magenta (20%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7005, 0.2359, 0.3391 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 48.7005, 0.2359, 0.3391 by changing the saturation by 10% instead.


 48.7005, 0.2359,
0.3391

 48.7005, 0.2359,
0.3391


381.5621, 0.2732,
0.3350


 34.3820, 0.2270,
0.3398


 88.2465, 0.2492,
0.3378


 23.1872, 0.2158,
0.3406

 114.2427, 0.2542,
0.3373


 14.7318, 0.2013,
0.3414


 144.9002, 0.2586,
0.3368

 8.6314, 0.1819,
0.3419

 180.6035, 0.2623,
0.3363

 4.5015, 0.1550,
0.3416

 221.7370, 0.2655,
0.3359

 1.9579, 0.1138,
0.3390

268.6850, 0.2684,

 0.5828, 0.0000,

0.3356

0.3312

321.8318, 0.2709,
0.3353

0.0000, 0.0000,
0.0000

48.7005, 0.2359,
0.3391

48.7005, 0.2359,
0.3391

48.1392, 0.2319,
0.3407

49.5128, 0.2418,
0.3375

47.7928, 0.2297,
0.3423

50.5961, 0.2497,
0.3359

47.6148, 0.2288,
0.3437

51.9747, 0.2593,
0.3344

53.6686, 0.2706,
0.3329

55.6961, 0.2832,
0.3316

■ 58.0743, 0.2970,
0.3303

■ 60.8188, 0.3115,
0.3291

■ 63.9444, 0.3266,
0.3280

■ 67.4653, 0.3419,
0.3271

Harmonies

Analogous

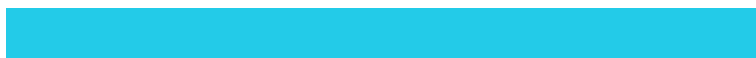
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.7005, 0.2765, 0.3927



48.7005, 0.2359, 0.3391



48.7005, 0.2160, 0.2880

Triad

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



48.7005, 0.2359, 0.3391



48.7005, 0.2889, 0.2509



48.7005, 0.4140, 0.3954

Complementary

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



48.7005, 0.2359, 0.3391



16.5985, 0.5406, 0.3228

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.



48.7005, 0.4202, 0.3549



48.7005, 0.2359, 0.3391



48.7005, 0.3442, 0.2757

Square

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



48.7005, 0.2359, 0.3391



48.7005, 0.2444, 0.2429



48.7005, 0.3940, 0.3125



48.7005, 0.3797, 0.4234

Rectangle

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



48.7005, 0.2359, 0.3391



48.7005, 0.2155, 0.2635



48.7005, 0.3940, 0.3125



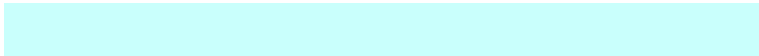
48.7005, 0.4196, 0.3827

Sweetspot

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



48.7023, 0.2359, 0.3391



91.0543, 0.2826, 0.3316



45.1908, 0.3052, 0.5523



19.2800, 0.2790, 0.3320



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.



48.7023, 0.2359, 0.3391



78.5002, 0.2305, 0.3415



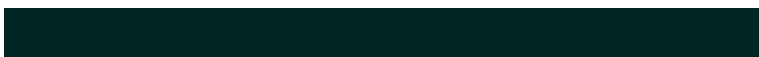
24.0270, 0.2066, 0.2236



12.7173, 0.2990, 0.3301



29.6412, 0.2288, 0.3435



1.5321, 0.2279, 0.3404

Inverse Universe

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



16.5985, 0.5406, 0.3228



22.8817, 0.6033, 0.3249



28.0141, 0.4815, 0.4045



11.2223, 0.3283, 0.3279



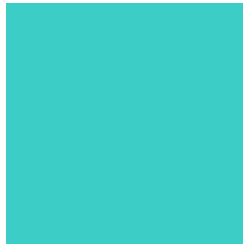
8.0976, 0.6343, 0.3268



0.4209, 0.6152, 0.3163

Previews

White Background



This preview shows how the Yxy color 48.7005, 0.2359, 0.3391 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 48.7005, 0.2359, 0.3391 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

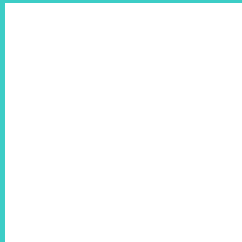
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7005, 0.2359, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 48.7005, 0.2359, 0.3391.

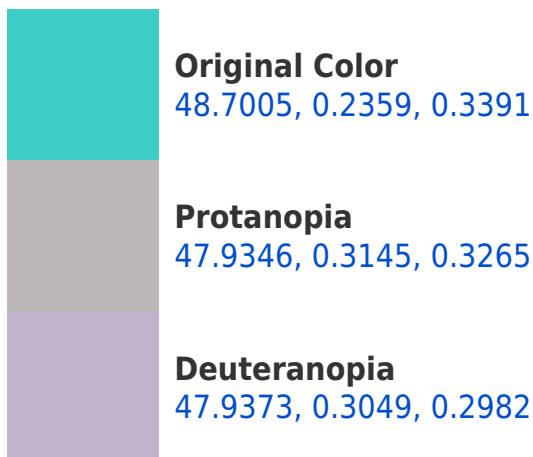


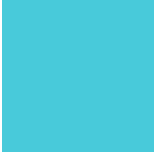
This preview shows how white text looks on a background with the Yxy color 48.7005, 0.2359, 0.3391.

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

48.6807, 0.2293, 0.3063

Trichromacy



Original Color

48.7005, 0.2359, 0.3391



Protanomaly

46.6420, 0.2755, 0.3303



Deuteranomaly

46.2504, 0.2702, 0.3099



Tritanomaly

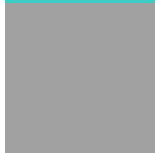
48.6440, 0.2316, 0.3173

Monochromacy



Original Color

48.7005, 0.2359, 0.3391



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.7854, 0.2723, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7005, 0.2359, 0.3391 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(60, 205, 198)` looks like.

```
.text, #text, p{  
    color:rgb(60, 205, 198)  
}
```

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(60, 205, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 205, 198) }
```

Border

The CSS property to change the border of an element to Yxy 48.7005, 0.2359, 0.3391 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(60, 205, 198) }
```

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

```
.border{ border-color:rgb(60, 205, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 205, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 205, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 205, 198);  
box-shadow:4px 4px 4px 4px rgb(60, 205,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7005, 0.2359, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 205, 198) }
```

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

```
.background{ background-color: rgb(60, 205,  
198) }
```

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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