

Converting Colors

$Y_{xy}(48.6548, 0.2320, 0.3330)$

Have a look what the booklet for
Yxy(48.6548, 0.2320, 0.3330)
contains.

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Color

Yxy(48.6307, 0.2320, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	33CDCA
RGB	51, 205, 202
RGB Percent	20%, 80%, 79%
CMY	0.7993, 0.1961, 0.2080
CMYK	0.75, 0.00, 0.01, 0.20
HSL	179°, 61%, 50%
HSV	179°, 75%, 80%
XYZ	33.8605, 48.6307, 63.4593
YIQ	158.6120, -90.8210, -33.5810

Conversions

Conversions Part 2

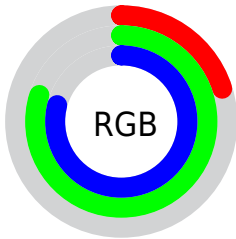
Format	Color
RYB	51, 129, 205
Decimal	3395018
CIELab	75.22, -38.74, -9.78
CIELCh	75, 39.960, 194.172
Yxy	48.6307, 0.2320, 0.3332
Android (android.graphics.Color)	4281585098 (0xFF33CDCA)
YUV	158.6120, 21.3903, -94.3757
Hunter-Lab	69.7357, -35.3660, -5.1387

Details

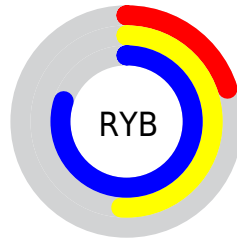
The Yxy color **48.6307, 0.2320, 0.3332** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.6304, 0.5659, 0.3272**, and the grayscale version is **34.4394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **23.9508, 0.2258, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **48.1913, 0.2286, 0.3338**, and if you desaturate by 10%, it is **49.3086, 0.2373, 0.3326**.

Distribution



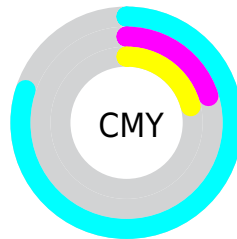
- Red (20%)
- Green (80%)
- Blue (79%)



- Red (20%)
- Yellow (51%)
- Blue (80%)



- Cyan (75%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)




- Cyan (80%)
- Magenta (20%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6307, 0.2320, 0.3332 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 48.6307, 0.2320, 0.3332 by changing the saturation by 10% instead.

 48.6307, 0.2320,
0.3332


 48.6307, 0.2320,
0.3332


381.2867, 0.2711,
0.3322


 34.3266, 0.2227,
0.3331


 88.1427, 0.2459,
0.3331

 23.1446, 0.2111,
0.3328


 114.1194, 0.2512,
0.3330

 14.7003, 0.1961,
0.3321


 144.7558, 0.2557,
0.3328

 8.6093, 0.1761,
0.3306

 180.4363, 0.2596,
0.3327

 4.4873, 0.1486,
0.3270

 221.5452, 0.2630,
0.3326

 1.9497, 0.1073,
0.3192

268.4670, 0.2660,

 0.5780, 0.0000,

0.3324

0.2987

321.5860, 0.2687,
0.3323

■ 0.0000, 0.0000,
0.0000

■ 48.6307, 0.2320,
0.3332

■ 48.6307, 0.2320,
0.3332

■ 48.1913, 0.2286,
0.3338

■ 49.3086, 0.2373,
0.3326

■ 47.9516, 0.2268,
0.3345

■ 50.2469, 0.2445,
0.3319

■ 47.8765, 0.2263,
0.3348

■ 51.4710, 0.2536,
0.3313

■ 53.0020, 0.2645,
0.3308

■ 54.8587, 0.2768,
0.3302

■ 57.0587, 0.2905,
0.3297

■ 59.6183, 0.3051,
0.3292

■ 62.5525, 0.3204,
0.3288

■ 65.8757, 0.3361,
0.3284

Harmonies

Analogous

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



48.6307, 0.2710, 0.3882



48.6307, 0.2320, 0.3332



48.6307, 0.2144, 0.2830

Triad

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



48.6307, 0.2320, 0.3332



48.6307, 0.2942, 0.2521



48.6307, 0.4125, 0.3998

Complementary

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



48.6307, 0.2320, 0.3332



15.6304, 0.5659, 0.3272

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.



48.6307, 0.4221, 0.3596



48.6307, 0.2320, 0.3332



48.6307, 0.3504, 0.2787

Square

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



48.6307, 0.2320, 0.3332



48.6307, 0.2477, 0.2421



48.6307, 0.3990, 0.3167



48.6307, 0.3754, 0.4260

Rectangle

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



48.6307, 0.2320, 0.3332



48.6307, 0.2155, 0.2598



48.6307, 0.3990, 0.3167



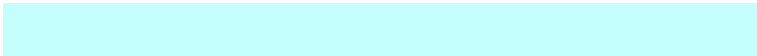
48.6307, 0.4192, 0.3873

Sweetspot

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



48.6325, 0.2320, 0.3332



90.4486, 0.2791, 0.3301



44.7515, 0.3035, 0.5640



19.1003, 0.2744, 0.3303



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.



48.6325, 0.2320, 0.3332



78.6655, 0.2273, 0.3342



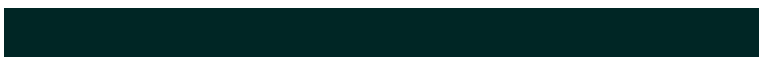
21.9503, 0.2008, 0.2118



12.7231, 0.2986, 0.3294



29.8076, 0.2263, 0.3347



1.5390, 0.2260, 0.3334

Inverse Universe

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



15.6304, 0.5659, 0.3272



22.0707, 0.6226, 0.3285



27.3756, 0.4908, 0.4090



11.2172, 0.3287, 0.3286



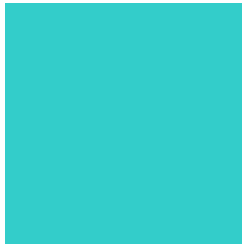
8.0871, 0.6377, 0.3287



0.4185, 0.6296, 0.3242

Previews

White Background



This preview shows how the Yxy color 48.6307, 0.2320, 0.3332 looks on a white background.

Color Contrast Check

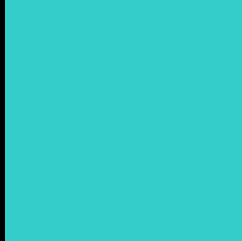
Large Text (above 18pt) WCAG AA × Fail

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 48.6307, 0.2320, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

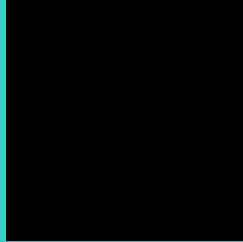
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

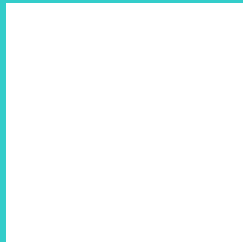
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6307, 0.2320, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 48.6307, 0.2320, 0.3332.

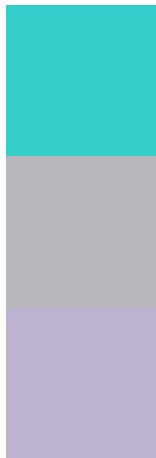


This preview shows how white text looks on a background with the Yxy color 48.6307, 0.2320, 0.3332.

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

48.6307, 0.2320, 0.3332

Protanopia

47.9369, 0.3113, 0.3226

Deuteranopia

47.7414, 0.2994, 0.2932



Tritanopia

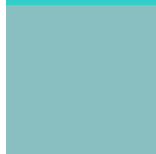
48.4123, 0.2264, 0.3048

Trichromacy



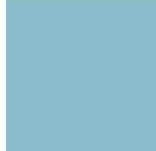
Original Color

48.6307, 0.2320, 0.3332



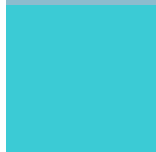
Protanomaly

46.4302, 0.2709, 0.3261



Deuteranomaly

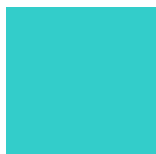
45.9981, 0.2643, 0.3044



Tritanomaly

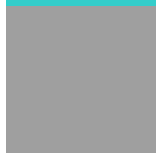
48.4458, 0.2283, 0.3145

Monochromacy



Original Color

48.6307, 0.2320, 0.3332



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

38.1389, 0.2686, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6307, 0.2320, 0.3332 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(51, 205, 202)` looks like.

```
.text, #text, p{  
    color:rgb(51, 205, 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(51, 205, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 205, 202) }
```

Border

The CSS property to change the border of an element to Yxy 48.6307, 0.2320, 0.3332 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(51, 205, 202) }
```

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

```
.border{ border-color:rgb(51, 205, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 205, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 205, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 205, 202);  
box-shadow:4px 4px 4px 4px rgb(51, 205,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6307, 0.2320, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 205, 202) }
```

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

```
.background{ background-color: rgb(51, 205,  
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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