

Converting Colors

$Y_{xy}(43.6338, 0.2248, 0.3192)$

Have a look what the booklet for
Yxy(43.6338, 0.2248, 0.3192)
contains.

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Color

Yxy(43.5543, 0.2250, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	20C3C9
RGB	32, 195, 201
RGB Percent	13%, 76%, 79%
CMY	0.8732, 0.2353, 0.2117
CMYK	0.84, 0.03, 0.00, 0.21
HSL	182°, 72%, 46%
HSV	182°, 84%, 79%
XYZ	30.6624, 43.5543, 62.0608
YIQ	146.9470, -99.0740, -32.6900

Conversions

Conversions Part 2

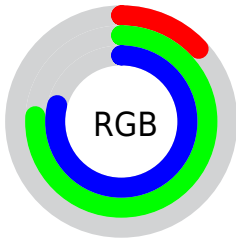
Format	Color
RYB	32, 115, 201
Decimal	2147273
CIELab	71.93, -36.09, -14.22
CIELCh	72, 38.788, 201.510
Yxy	43.5543, 0.2250, 0.3196
Android (android.graphics.Color)	4280337353 (0xFF20C3C9)
YUV	146.9470, 26.6481, -100.8085
Hunter-Lab	65.9957, -32.5590, -9.5579

Details

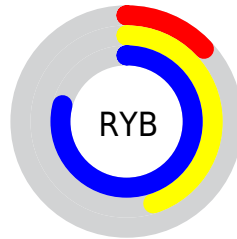
The Yxy color **43.5543, 0.2250, 0.3196** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **13.9360, 0.6002, 0.3337**, and the grayscale version is **29.1144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2856, 0.2413, 0.3253**, and **21.1563, 0.2212, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **43.0020, 0.2225, 0.3184**, and if you desaturate by 10%, it is **44.3080, 0.2292, 0.3208**.

Distribution



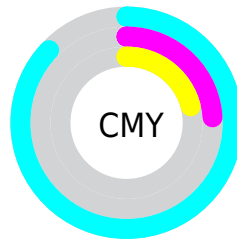
- Red (13%)
- Green (76%)
- Blue (79%)



- Red (13%)
- Yellow (45%)
- Blue (79%)



- Cyan (84%)
- Magenta (3%)
- Yellow (0%)
- Black (21%)




- Cyan (87%)
- Magenta (24%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5543, 0.2250, 0.3196 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 43.5543, 0.2250, 0.3196 by changing the saturation by 10% instead.


 43.5543, 0.2250,
0.3196

 43.5543, 0.2250,
0.3196

360.8864, 0.2679,
0.3257


 30.3203, 0.2147,
0.3176


 80.5467, 0.2403,
0.3222


 20.0818, 0.2017,
0.3148


 105.0738, 0.2462,
0.3230


 12.4545, 0.1849,
0.3107


 134.1340, 0.2511,
0.3237

 7.0540, 0.1625,
0.3042

 168.1118, 0.2554,
0.3243

 3.4959, 0.1317,
0.2929

 207.3916, 0.2592,
0.3247

 1.3958, 0.0738,
0.2751

252.3577, 0.2624,

 0.2136, 0.0000,

0.3251

0.1458

303.3945, 0.2653,
0.3255

■ 0.0000, 0.0000,
0.0000

■ 43.5543, 0.2250,
0.3196

■ 43.5543, 0.2250,
0.3196

■ 43.0020, 0.2225,
0.3184

■ 44.3080, 0.2292,
0.3208

■ 42.7275, 0.2216,
0.3177

■ 45.2891, 0.2353,
0.3220

■ 46.5249, 0.2433,
0.3232

■ 48.0376, 0.2531,
0.3244

■ 49.8469, 0.2646,
0.3255

■ 51.9706, 0.2776,
0.3266

■ 54.4255, 0.2917,
0.3277

■ 57.2266, 0.3067,
0.3286

■ 60.3886, 0.3222,
0.3295

Harmonies

Analogous

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



43.5543, 0.2594, 0.3759



43.5543, 0.2250, 0.3196



43.5543, 0.2130, 0.2730

Triad

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



43.5543, 0.2250, 0.3196



43.5543, 0.3076, 0.2568



43.5543, 0.4061, 0.4085

Complementary

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



43.5543, 0.2250, 0.3196



13.9360, 0.6002, 0.3337

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.



43.5543, 0.4235, 0.3703



43.5543, 0.2250, 0.3196



43.5543, 0.3641, 0.2868

Square

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



43.5543, 0.2250, 0.3196



43.5543, 0.2572, 0.2423



43.5543, 0.4082, 0.3269



43.5543, 0.3638, 0.4293

Rectangle

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



43.5543, 0.2250, 0.3196



43.5543, 0.2179, 0.2532



43.5543, 0.4082, 0.3269



43.5543, 0.4153, 0.3970

Sweetspot

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



43.5559, 0.2250, 0.3196



88.4032, 0.2756, 0.3265



42.2348, 0.2996, 0.5793



18.6372, 0.2709, 0.3261



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.



43.5559, 0.2250, 0.3196



73.0606, 0.2216, 0.3176



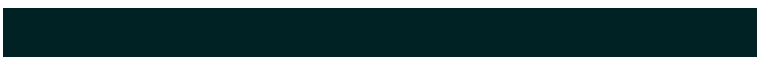
15.9110, 0.1867, 0.1764



12.0000, 0.2984, 0.3281



26.8893, 0.2216, 0.3179



1.2940, 0.2223, 0.3203

Inverse Universe

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



17.4110, 0.3281, 0.1657



27.9067, 0.3302, 0.1593



26.5191, 0.4998, 0.4227



10.8098, 0.3143, 0.3070



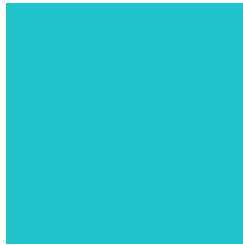
10.2545, 0.3300, 0.1591



0.4876, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 43.5543, 0.2250, 0.3196 looks on a white background.

Color Contrast Check

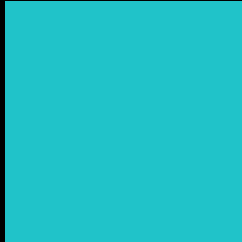
Large Text (above 18pt) WCAG AA × Fail

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 43.5543, 0.2250, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

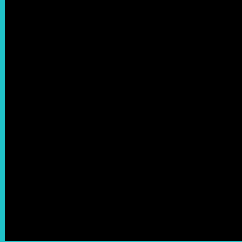
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

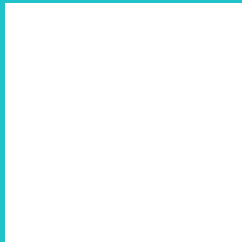
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.5543, 0.2250, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 43.5543, 0.2250, 0.3196.

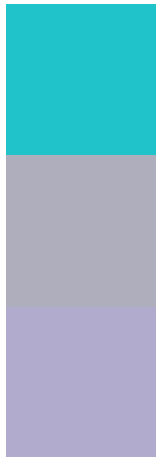


This preview shows how white text looks on a background with the Yxy color 43.5543, 0.2250, 0.3196.

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

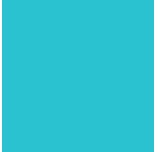
43.5543, 0.2250, 0.3196

Protanopia

42.9016, 0.3014, 0.3104

Deuteranopia

42.9292, 0.2900, 0.2840



Tritanopia

43.6793, 0.2228, 0.3065

Trichromacy



Original Color

43.5543, 0.2250, 0.3196



Protanomaly

41.4437, 0.2595, 0.3129



Deuteranomaly

41.2872, 0.2537, 0.2948



Tritanomaly

43.4519, 0.2234, 0.3108

Monochromacy



Original Color

43.5543, 0.2250, 0.3196



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

32.3442, 0.2612, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5543, 0.2250, 0.3196 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(32, 195, 201)` looks like.

```
.text, #text, p{  
    color:rgb(32, 195, 201)  
}
```

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(32, 195, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 195, 201) }
```

Border

The CSS property to change the border of an element to Yxy 43.5543, 0.2250, 0.3196 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(32, 195, 201) }
```

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

```
.border{ border-color:rgb(32, 195, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 195, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 195, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 195, 201);  
box-shadow:4px 4px 4px 4px rgb(32, 195,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5543, 0.2250, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 195, 201) }
```

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

```
.background{ background-color: rgb(32, 195,  
201) }
```

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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