

Converting Colors

Yxy(53.4169, 0.2344, 0.3599)

Have a look what the booklet for
Yxy(53.4169, 0.2344, 0.3599)
contains.

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Color

Yxy(53.1805, 0.2343, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	12D8C3
RGB	18, 216, 195
RGB Percent	7%, 85%, 76%
CMY	0.9304, 0.1529, 0.2354
CMYK	0.92, 0.00, 0.10, 0.15
HSL	174°, 85%, 46%
HSV	174°, 92%, 85%
XYZ	34.6501, 53.1805, 60.0573
YIQ	154.4040, -111.2670, -48.5070

Conversions

Conversions Part 2

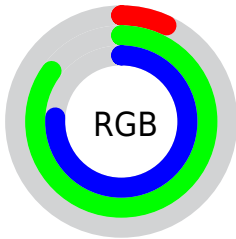
Format	Color
RYB	18, 123, 216
Decimal	1235139
CIELab	77.98, -47.91, -1.98
CIELCh	78, 47.949, 182.371
Yxy	53.1805, 0.2343, 0.3596
Android (android.graphics.Color)	4279425219 (0xFF12D8C3)
YUV	154.4040, 20.0138, -119.6263
Hunter-Lab	72.9250, -42.8048, 2.2192

Details

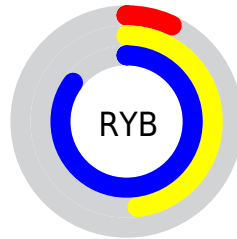
The Yxy color **53.1805, 0.2343, 0.3596** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.1701, 0.6100, 0.3202**, and the grayscale version is **32.4156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8645, 0.2433, 0.3334**, and **27.0647, 0.2350, 0.3660** is the 20% darker color. If you saturate the color by 10%, you get **52.9717, 0.2341, 0.3626**, and if you desaturate by 10%, it is **53.5990, 0.2359, 0.3560**.

Distribution



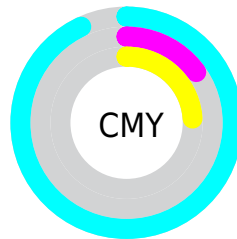
- Red (7%)
- Green (85%)
- Blue (76%)



- Red (7%)
- Yellow (48%)
- Blue (85%)



- Cyan (92%)
- Magenta (0%)
- Yellow (10%)
- Black (15%)





- Cyan (93%)
- Magenta (15%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1805, 0.2343, 0.3596 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 53.1805, 0.2343, 0.3596 by changing the saturation by 10% instead.


 53.1805, 0.2343,
0.3596


 53.1805, 0.2343,
0.3596

398.9772, 0.2721,
0.3451


 37.9469, 0.2253,
0.3630

 94.8699, 0.2477,
0.3545

 25.9415, 0.2141,
0.3672


 122.0945, 0.2528,
0.3525


 16.7799, 0.1997,
0.3725


 154.0849, 0.2572,
0.3509

 10.0777, 0.1806,
0.3794

 191.2254, 0.2610,
0.3494

 5.4505, 0.1541,
0.3886

 233.9005, 0.2643,
0.3481

 2.5139, 0.1154,
0.4015

282.4946, 0.2672,

 0.8836, 0.0000,

0.3470

0.4438

337.3921, 0.2698,
0.3460

■ 0.0000, 0.0000,
0.0000

■ 53.1805, 0.2343,
0.3596

■ 53.1805, 0.2343,
0.3596

■ 52.9717, 0.2341,
0.3626

■ 53.5990, 0.2359,
0.3560

■ 54.2574, 0.2393,
0.3523

■ 55.1931, 0.2446,
0.3486

■ 56.4359, 0.2519,
0.3450

■ 58.0115, 0.2609,
0.3415

■ 59.9430, 0.2715,
0.3382

■ 62.2514, 0.2835,
0.3350

■ 64.9560, 0.2965,
0.3321

■ 68.0750, 0.3102,
0.3295

Harmonies

Analogous

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



53.1805, 0.2863, 0.4200



53.1805, 0.2343, 0.3596



53.1805, 0.2047, 0.2954

Triad

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



53.1805, 0.2343, 0.3596



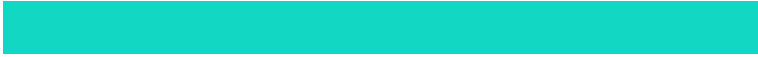
53.1805, 0.2677, 0.2342



53.1805, 0.4370, 0.3917

Complementary

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



53.1805, 0.2343, 0.3596



15.1701, 0.6100, 0.3202

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.



53.1805, 0.4341, 0.3432



53.1805, 0.2343, 0.3596



53.1805, 0.3301, 0.2575

Square

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



53.1805, 0.2343, 0.3596



53.1805, 0.2226, 0.2308



53.1805, 0.3934, 0.2960



53.1805, 0.4042, 0.4316

Rectangle

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



53.1805, 0.2343, 0.3596



53.1805, 0.1994, 0.2627



53.1805, 0.3934, 0.2960



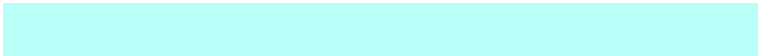
53.1805, 0.4404, 0.3759

Sweetspot

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



53.1825, 0.2343, 0.3596



88.4028, 0.2756, 0.3370



49.6288, 0.3045, 0.5908



18.6276, 0.2706, 0.3385



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.



53.1825, 0.2343, 0.3596



77.1189, 0.2341, 0.3629



23.8438, 0.1927, 0.2086



14.0841, 0.2997, 0.3315



31.3602, 0.2339, 0.3620



1.8982, 0.2322, 0.3557

Inverse Universe

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



15.1701, 0.6100, 0.3202



21.3393, 0.6302, 0.3245



22.6043, 0.5566, 0.3882



12.4420, 0.3275, 0.3266



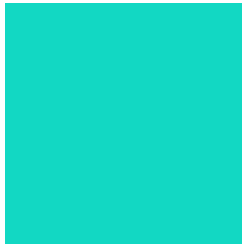
8.6852, 0.6267, 0.3226



0.5313, 0.5930, 0.3040

Previews

White Background



This preview shows how the Yxy color 53.1805, 0.2343, 0.3596 looks on a white background.

Color Contrast Check

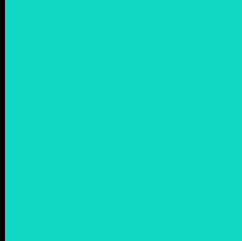
Large Text (above 18pt) WCAG AA × Fail

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 53.1805, 0.2343, 0.3596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

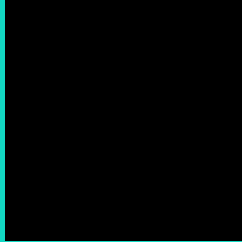
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

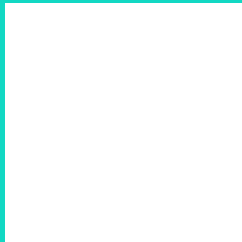
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1805, 0.2343, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 53.1805, 0.2343, 0.3596.

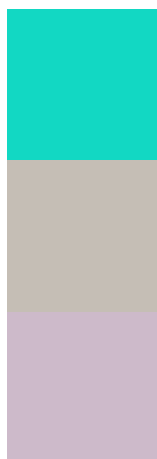


This preview shows how white text looks on a background with the Yxy color 53.1805, 0.2343, 0.3596.

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

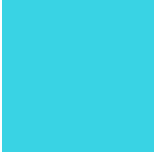
53.1805, 0.2343, 0.3596

Protanopia

52.0334, 0.3255, 0.3402

Deuteranopia

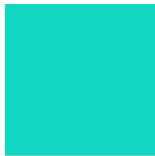
52.3612, 0.3161, 0.3100



Tritanopia

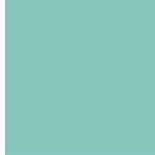
53.0598, 0.2245, 0.3056

Trichromacy



Original Color

53.1805, 0.2343, 0.3596



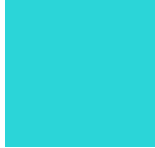
Protanomaly

49.2976, 0.2732, 0.3471



Deuteranomaly

49.3744, 0.2681, 0.3261



Tritanomaly

53.0600, 0.2274, 0.3245

Monochromacy



Original Color

53.1805, 0.2343, 0.3596



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.2519, 0.2622, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1805, 0.2343, 0.3596 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(18, 216, 195)` looks like.

```
.text, #text, p{  
    color:rgb(18, 216, 195)  
}
```

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(18, 216, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 216, 195) }
```

Border

The CSS property to change the border of an element to Yxy 53.1805, 0.2343, 0.3596 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(18, 216, 195) }
```

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

```
.border{ border-color:rgb(18, 216, 195) }
```

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

Here you see how a box with a 4 pixel rgb(18, 216, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 216, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 216, 195);  
box-shadow:4px 4px 4px 4px rgb(18, 216,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1805, 0.2343, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 216, 195) }
```

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

```
.background{ background-color: rgb(18, 216,  
195) }
```

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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