

Converting Colors

$Yxy(53.1890, 0.2351, 0.3288)$

Have a look what the booklet for
Yxy(53.1890, 0.2351, 0.3288)
contains.

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Color

Yxy(53.1800, 0.2351, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	47D4D4
RGB	71, 212, 212
RGB Percent	28%, 83%, 83%
CMY	0.7214, 0.1686, 0.1687
CMYK	0.66, 0.00, 0.00, 0.17
HSL	180°, 62%, 55%
HSV	180°, 66%, 83%
XYZ	38.0250, 53.1800, 70.5347
YIQ	169.8410, -84.0360, -29.8920

Conversions

Conversions Part 2

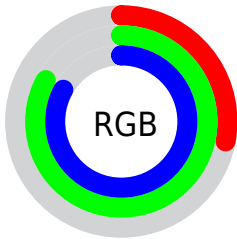
Format	Color
RYB	71, 142, 212
Decimal	4707540
CIELab	77.98, -36.67, -11.02
CIELCh	78, 38.287, 196.721
Yxy	53.1800, 0.2351, 0.3288
Android (android.graphics.Color)	4282897620 (0xFF47D4D4)
YUV	169.8410, 20.7844, -86.6836
Hunter-Lab	72.9246, -34.5430, -6.2997

Details

The Yxy color **53.1800, 0.2351, 0.3288** 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 **18.9639, 0.5310, 0.3296**, and the grayscale version is **40.0459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **26.5483, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **52.5149, 0.2300, 0.3288**, and if you desaturate by 10%, it is **54.1287, 0.2422, 0.3288**.

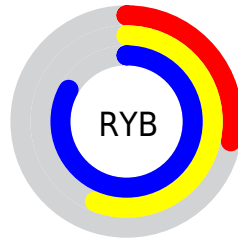
Distribution



Red (28%)

Green (83%)

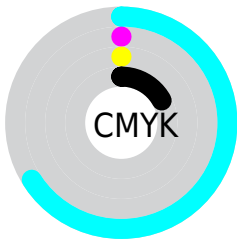
Blue (83%)



Red (28%)

Yellow (56%)

Blue (83%)

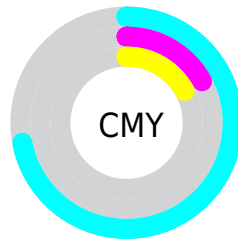


Cyan (66%)

Magenta (0%)

Yellow (0%)

Black (17%)



Cyan (72%)


Magenta (17%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1800, 0.2351, 0.3288 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 53.1800, 0.2351, 0.3288 by changing the saturation by 10% instead.


 53.1800, 0.2351,
0.3288


 53.1800, 0.2351,
0.3288

398.9753, 0.2721,
0.3299


 37.9465, 0.2264,
0.3282

 94.8692, 0.2481,
0.3294

 25.9412, 0.2157,
0.3273


 122.0936, 0.2531,
0.3296

 16.7796, 0.2019,
0.3259


 154.0839, 0.2574,
0.3297

 10.0775, 0.1838,
0.3235

 191.2243, 0.2611,
0.3298

 5.4504, 0.1591,
0.3190

233.8992, 0.2644,
0.3299

 2.5139, 0.1241,
0.3100

282.4931, 0.2672,

 0.8836, 0.0000,

0.3299

0.3114

337.3903, 0.2698,
0.3299

0.0000, 0.0000,
0.0000

53.1800, 0.2351,
0.3288

53.1800, 0.2351,
0.3288

52.5149, 0.2300,
0.3288

54.1287, 0.2422,
0.3288

52.0967, 0.2267,
0.3288

55.3811, 0.2511,
0.3288


51.8886, 0.2251,
0.3288


56.9623, 0.2619,
0.3289


51.8406, 0.2247,
0.3288


58.8933, 0.2742,
0.3289

61.1932, 0.2879,
0.3289

 63.8799, 0.3027,
0.3290

 66.9700, 0.3182,
0.3290

 70.4793, 0.3342,
0.3291

 73.1027, 0.3451,
0.3291

Harmonies

Analogous

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



53.1800, 0.2703, 0.3799



53.1800, 0.2351, 0.3288



53.1800, 0.2202, 0.2833

Triad

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



53.1800, 0.2351, 0.3288



53.1800, 0.3000, 0.2585



53.1800, 0.4037, 0.3983

Complementary

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



53.1800, 0.2351, 0.3288



18.9639, 0.5310, 0.3296

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.



53.1800, 0.4149, 0.3616



53.1800, 0.2351, 0.3288



53.1800, 0.3522, 0.2846

Square

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



53.1800, 0.2351, 0.3288



53.1800, 0.2551, 0.2476



53.1800, 0.3958, 0.3211



53.1800, 0.3678, 0.4203

Rectangle

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



53.1800, 0.2351, 0.3288



53.1800, 0.2225, 0.2624



53.1800, 0.3958, 0.3211



53.1800, 0.4107, 0.3871

Sweetspot

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



53.1820, 0.2351, 0.3288



91.5769, 0.2827, 0.3289



48.9755, 0.3037, 0.5417



19.3894, 0.2788, 0.3289



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.



53.1820, 0.2351, 0.3288



79.4418, 0.2283, 0.3288



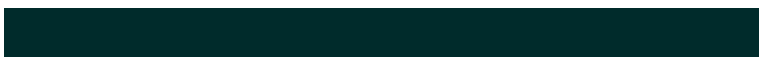
26.0010, 0.2098, 0.2233



14.1079, 0.2983, 0.3290



32.0027, 0.2247, 0.3288



1.9303, 0.2247, 0.3288

Inverse Universe

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



18.9639, 0.5310, 0.3296



23.8670, 0.5945, 0.3298



32.9671, 0.4643, 0.4077



12.4209, 0.3291, 0.3290



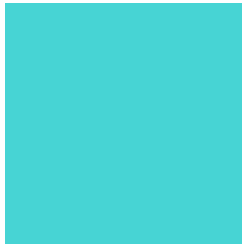
8.6411, 0.6401, 0.3300



0.5212, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 53.1800, 0.2351, 0.3288 looks on a white background.

Color Contrast Check

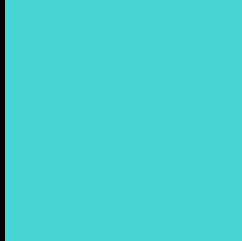
Large Text (above 18pt) WCAG AA × Fail

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 53.1800, 0.2351, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

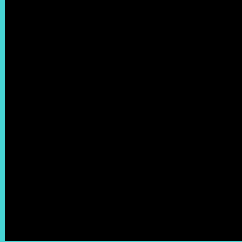
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

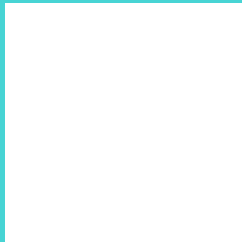
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1800, 0.2351, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 53.1800, 0.2351, 0.3288.

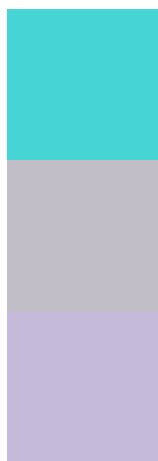


This preview shows how white text looks on a background with the Yxy color 53.1800, 0.2351, 0.3288.

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

53.1800, 0.2351, 0.3288

Protanopia

52.2879, 0.3084, 0.3179

Deuteranopia

52.1855, 0.2984, 0.2911



Tritanopia

53.3015, 0.2303, 0.3058

Trichromacy



Original Color

53.1800, 0.2351, 0.3288



Protanomaly

51.1374, 0.2729, 0.3210



Deuteranomaly

50.6635, 0.2672, 0.3017



Tritanomaly

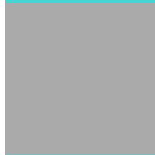
53.3990, 0.2319, 0.3138

Monochromacy



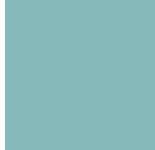
Original Color

53.1800, 0.2351, 0.3288



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.2690, 0.2732, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1800, 0.2351, 0.3288 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(71, 212, 212)` looks like.

```
.text, #text, p{  
    color:rgb(71, 212, 212)  
}
```

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(71, 212, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 212, 212) }
```

Border

The CSS property to change the border of an element to Yxy 53.1800, 0.2351, 0.3288 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(71, 212, 212) }
```

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

```
.border{ border-color:rgb(71, 212, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 212, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 212, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 212, 212);  
box-shadow:4px 4px 4px 4px rgb(71, 212,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1800, 0.2351, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 212, 212) }
```

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

```
.background{ background-color: rgb(71, 212,  
212) }
```

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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