

Converting Colors

$Y_{xy}(53.2153, 0.2340, 0.3279)$

Have a look what the booklet for
Yxy(53.2153, 0.2340, 0.3279)
contains.

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Color

Yxy(53.1200, 0.2338, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	44D4D5
RGB	68, 212, 213
RGB Percent	27%, 83%, 84%
CMY	0.7335, 0.1686, 0.1648
CMYK	0.68, 0.00, 0.00, 0.16
HSL	180°, 63%, 55%
HSV	180°, 68%, 84%
XYZ	37.9336, 53.1200, 71.1944
YIQ	169.0580, -86.1450, -30.2170

Conversions

Conversions Part 2

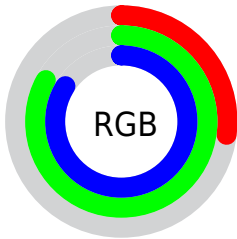
Format	Color
RYB	68, 140, 213
Decimal	4510933
CIELab	77.95, -36.81, -11.61
CIElCh	78, 38.600, 197.512
Yxy	53.1200, 0.2338, 0.3274
Android (android.graphics.Color)	4282701013 (0xFF44D4D5)
YUV	169.0580, 21.6634, -88.6279
Hunter-Lab	72.8835, -34.6424, -6.8976

Details

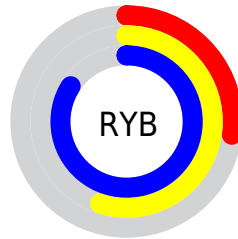
The Yxy color **53.1200, 0.2338, 0.3274** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.8097, 0.5379, 0.3306**, and the grayscale version is **39.6244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **26.5826, 0.2241, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **52.4190, 0.2289, 0.3272**, and if you desaturate by 10%, it is **54.1030, 0.2406, 0.3276**.

Distribution



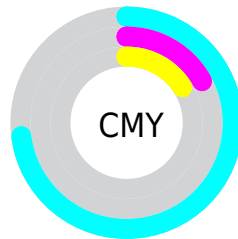
- Red (27%)
- Green (83%)
- Blue (84%)



- Red (27%)
- Yellow (55%)
- Blue (84%)



- Cyan (68%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)





- Cyan (73%)
- Magenta (17%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1200, 0.2338, 0.3274 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 53.1200, 0.2338, 0.3274 by changing the saturation by 10% instead.


 53.1200, 0.2338,
0.3274


 53.1200, 0.2338,
0.3274


398.7453, 0.2714,
0.3293


 37.8986, 0.2250,
0.3266

 94.7809, 0.2470,
0.3283

 25.9040, 0.2141,
0.3255


 121.9892, 0.2521,
0.3286

 16.7518, 0.2002,
0.3238


 153.9619, 0.2565,
0.3288

 10.0577, 0.1819,
0.3209

 191.0834, 0.2602,
0.3289

 5.4372, 0.1569,
0.3157

233.7381, 0.2635,
0.3291

 2.5060, 0.1217,
0.3056

282.3104, 0.2665,

 0.8796, 0.0000,

0.3291

0.3039

337.1847, 0.2690,
0.3292

0.0000, 0.0000,
0.0000

53.1200, 0.2338,
0.3274

53.1200, 0.2338,
0.3274

52.4190, 0.2289,
0.3272

54.1030, 0.2406,
0.3276

51.9623, 0.2258,
0.3269

55.3891, 0.2494,
0.3279


51.7056, 0.2243,
0.3267


57.0042, 0.2599,
0.3281

51.6657, 0.2241,
0.3267


58.9696, 0.2721,
0.3284

61.3052, 0.2856,
0.3286

 64.0291, 0.3003,
0.3288

 67.1583, 0.3157,
0.3290

 70.7087, 0.3316,
0.3292

 73.8033, 0.3442,
0.3294

Harmonies

Analogous

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



53.1200, 0.2688, 0.3791



53.1200, 0.2338, 0.3274



53.1200, 0.2194, 0.2818

Triad

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



53.1200, 0.2338, 0.3274



53.1200, 0.3012, 0.2585



53.1200, 0.4038, 0.3996

Complementary

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



53.1200, 0.2338, 0.3274



18.8097, 0.5379, 0.3306

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.



53.1200, 0.4159, 0.3629



53.1200, 0.2338, 0.3274



53.1200, 0.3539, 0.2851

Square

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



53.1200, 0.2338, 0.3274



53.1200, 0.2556, 0.2471



53.1200, 0.3974, 0.3221



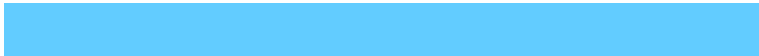
53.1200, 0.3670, 0.4213

Rectangle

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



53.1200, 0.2338, 0.3274



53.1200, 0.2221, 0.2612



53.1200, 0.3974, 0.3221



53.1200, 0.4110, 0.3884

Sweetspot

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



53.1220, 0.2338, 0.3274



91.3582, 0.2827, 0.3286



49.2259, 0.3025, 0.5471



19.3360, 0.2788, 0.3285



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.



53.1220, 0.2338, 0.3274



78.4222, 0.2272, 0.3271



24.9258, 0.2068, 0.2163



14.0928, 0.2983, 0.3288



31.5709, 0.2241, 0.3267



1.9090, 0.2242, 0.3271

Inverse Universe

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



23.0275, 0.3209, 0.1785



30.3357, 0.3219, 0.1627



33.4558, 0.4665, 0.4115



12.6312, 0.3139, 0.3062



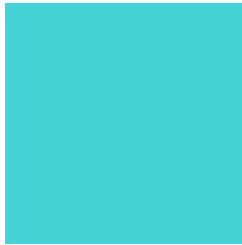
11.5320, 0.3226, 0.1551



0.6960, 0.3223, 0.1549

Previews

White Background



This preview shows how the Yxy color 53.1200, 0.2338, 0.3274 looks on a white background.

Color Contrast Check

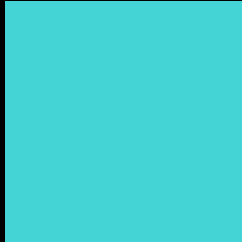
Large Text (above 18pt) WCAG AA × Fail

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 53.1200, 0.2338, 0.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

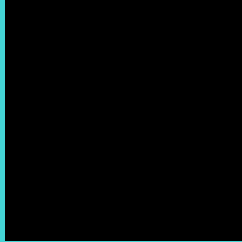
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

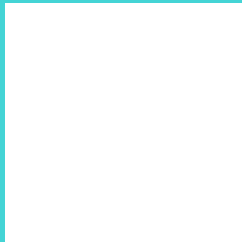
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1200, 0.2338, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 53.1200, 0.2338, 0.3274.



This preview shows how white text looks on a background with the Yxy color 53.1200, 0.2338, 0.3274.

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

53.1200, 0.2338, 0.3274

Protanopia

52.2035, 0.3068, 0.3167

Deuteranopia

52.1026, 0.2969, 0.2899



Tritanopia

53.1757, 0.2294, 0.3058

Trichromacy



Original Color

53.1200, 0.2338, 0.3274



Protanomaly

50.9990, 0.2710, 0.3196



Deuteranomaly

50.5240, 0.2653, 0.3004



Tritanomaly

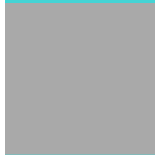
53.2789, 0.2310, 0.3137

Monochromacy



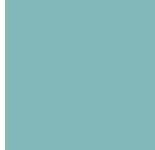
Original Color

53.1200, 0.2338, 0.3274



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

43.1062, 0.2718, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1200, 0.2338, 0.3274 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(68, 212, 213)` looks like.

```
.text, #text, p{  
    color:rgb(68, 212, 213)  
}
```

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(68, 212, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 212, 213) }
```

Border

The CSS property to change the border of an element to Yxy 53.1200, 0.2338, 0.3274 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(68, 212, 213) }
```

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

```
.border{ border-color:rgb(68, 212, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 212, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 212, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 212, 213);  
box-shadow:4px 4px 4px 4px rgb(68, 212,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1200, 0.2338, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 212, 213) }
```

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

```
.background{ background-color: rgb(68, 212,  
213) }
```

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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