

Converting Colors

$Yxy(53.4268, 0.2477, 0.3795)$

Have a look what the booklet for
Yxy(53.4268, 0.2477, 0.3795)
contains.

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Color

Yxy(53.4812, 0.2474, 0.3789)

Conversions

Conversions Part 1

Format	Color
Hex	3DD8B6
RGB	61, 216, 182
RGB Percent	24%, 85%, 71%
CMY	0.7612, 0.1529, 0.2862
CMYK	0.72, 0.00, 0.16, 0.15
HSL	167°, 67%, 54%
HSV	167°, 72%, 85%
XYZ	34.9202, 53.4812, 52.7472
YIQ	165.7790, -81.4660, -43.4340

Conversions

Conversions Part 2

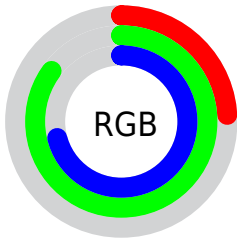
Format	Color
RYB	61, 148, 216
Decimal	4053174
CIELab	78.16, -47.74, 5.27
CIELCh	78, 48.034, 173.706
Yxy	53.4812, 0.2474, 0.3789
Android (android.graphics.Color)	4282243254 (0xFF3DD8B6)
YUV	165.7790, 7.9970, -91.8912
Hunter-Lab	73.1308, -42.7448, 8.4274

Details

The Yxy color **53.4812, 0.2474, 0.3789** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **18.7510, 0.5044, 0.2952**, and the grayscale version is **37.9988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3602, 0.2550, 0.3487**, and **26.7266, 0.2420, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **52.7391, 0.2449, 0.3870**, and if you desaturate by 10%, it is **54.5098, 0.2519, 0.3709**.

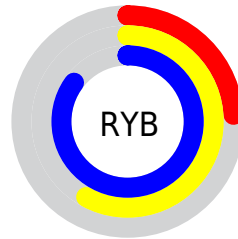
Distribution



Red (24%)

Green (85%)

Blue (71%)



Red (24%)

Yellow (58%)

Blue (85%)

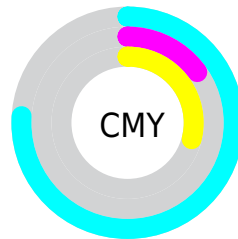


Cyan (72%)

Magenta (0%)

Yellow (16%)

Black (15%)



Cyan (76%)

Magenta (15%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.4812, 0.2474, 0.3789 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 53.4812, 0.2474, 0.3789 by changing the saturation by 10% instead.


 53.4812, 0.2474,
0.3789


 53.4812, 0.2474,
0.3789


400.1286, 0.2794,
0.3540


 38.1870, 0.2397,
0.3851


 95.3121, 0.2588,
0.3699

 26.1279, 0.2299,
0.3930


 122.6176, 0.2632,
0.3665

 16.9193, 0.2171,
0.4034


 154.6957, 0.2669,
0.3636

 10.1770, 0.1999,
0.4178

 191.9307, 0.2701,
0.3612

 5.5165, 0.1754,
0.4390

234.7072, 0.2728,
0.3590

 2.5534, 0.1380,
0.4731

283.4093, 0.2753,

 0.9033, 0.0000,

0.3572

0.5948

338.4217, 0.2774,
0.3555

■ 0.0000, 0.0000,
0.0000

■ 53.4812, 0.2474,
0.3789

■ 53.4812, 0.2474,
0.3789

■ 52.7391, 0.2449,
0.3870

■ 54.5098, 0.2519,
0.3709

■ 52.2417, 0.2443,
0.3951


■ 55.8483, 0.2583,
0.3630

■ 51.9686, 0.2449,
0.4016


■ 57.5246, 0.2664,
0.3555


■ 59.5620, 0.2759,
0.3484

■ 61.9814, 0.2867,
0.3417

 64.8024, 0.2983,
0.3355

 68.0429, 0.3105,
0.3300

 71.7200, 0.3230,
0.3249

 75.7918, 0.3354,
0.3204

Harmonies

Analogous

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



53.4812, 0.3040, 0.4320



53.4812, 0.2474, 0.3789



53.4812, 0.2106, 0.3126

Triad

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



53.4812, 0.2474, 0.3789



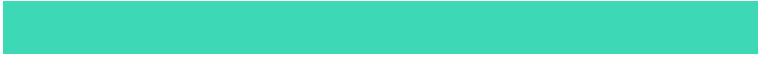
53.4812, 0.2525, 0.2311



53.4812, 0.4402, 0.3780

Complementary

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



53.4812, 0.2474, 0.3789



18.7510, 0.5044, 0.2952

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.



53.4812, 0.4259, 0.3291



53.4812, 0.2474, 0.3789



53.4812, 0.3110, 0.2490

Square

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



53.4812, 0.2474, 0.3789



53.4812, 0.2139, 0.2340



53.4812, 0.3764, 0.2837



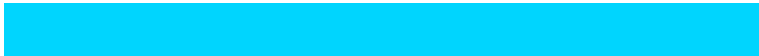
53.4812, 0.4167, 0.4218

Rectangle

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



53.4812, 0.2474, 0.3789



53.4812, 0.2003, 0.2755



53.4812, 0.3764, 0.2837



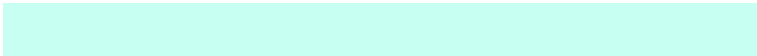
53.4812, 0.4399, 0.3618

Sweetspot

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



53.4833, 0.2474, 0.3789



90.1018, 0.2862, 0.3419



51.9984, 0.3188, 0.5464



19.0682, 0.2832, 0.3437



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.



53.4833, 0.2474, 0.3789



76.3919, 0.2443, 0.3911



36.4694, 0.2167, 0.2672



14.0591, 0.3011, 0.3342



30.7740, 0.2446, 0.4004



1.8679, 0.2407, 0.3865

Inverse Universe

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



18.7510, 0.5044, 0.2952



23.1400, 0.5635, 0.3001



24.4901, 0.5160, 0.3724



12.4649, 0.3257, 0.3239



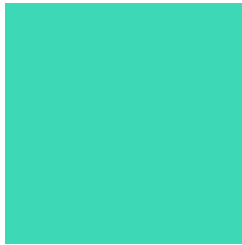
8.7774, 0.6009, 0.3084



0.5420, 0.5518, 0.2814

Previews

White Background



This preview shows how the Yxy color 53.4812, 0.2474, 0.3789 looks on a white background.

Color Contrast Check

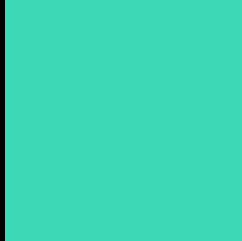
Large Text (above 18pt) WCAG AA × Fail

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 53.4812, 0.2474, 0.3789 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

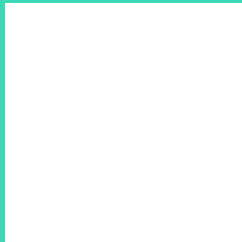
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.4812, 0.2474, 0.3789

Background



This preview shows how black text looks on a background with the Yxy color 53.4812, 0.2474, 0.3789.



This preview shows how white text looks on a background with the Yxy color 53.4812, 0.2474, 0.3789.

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

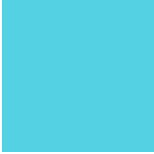
53.4812, 0.2474, 0.3789

Protanopia

52.4055, 0.3374, 0.3564

Deuteranopia

52.2209, 0.3316, 0.3243



Tritanopia

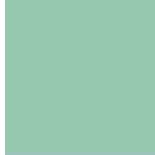
53.5241, 0.2319, 0.3059

Trichromacy



Original Color

53.4812, 0.2474, 0.3789



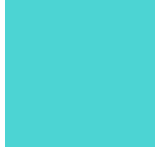
Protanomaly

50.7541, 0.2924, 0.3648



Deuteranomaly

50.0929, 0.2892, 0.3424



Tritanomaly

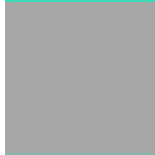
53.3266, 0.2370, 0.3302

Monochromacy



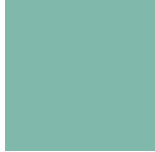
Original Color

53.4812, 0.2474, 0.3789



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.8487, 0.2775, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4812, 0.2474, 0.3789 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(61, 216, 182)` looks like.

```
.text, #text, p{  
    color:rgb(61, 216, 182)  
}
```

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(61, 216, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 216, 182) }
```

Border

The CSS property to change the border of an element to Yxy 53.4812, 0.2474, 0.3789 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(61, 216, 182) }
```

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

```
.border{ border-color:rgb(61, 216, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 216, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 216, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 216, 182);  
box-shadow:4px 4px 4px 4px rgb(61, 216,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4812, 0.2474, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 216, 182) }
```

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

```
.background{ background-color: rgb(61, 216,  
182) }
```

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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