

Converting Colors

$Y_{xy}(53.5055, 0.2398, 0.3737)$

Have a look what the booklet for
Yxy(53.5055, 0.2398, 0.3737)
contains.

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Color

Yxy(53.5206, 0.2397, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	20D9BB
RGB	32, 217, 187
RGB Percent	13%, 85%, 73%
CMY	0.8736, 0.1490, 0.2666
CMYK	0.85, 0.00, 0.14, 0.15
HSL	170°, 74%, 49%
HSV	170°, 85%, 85%
XYZ	34.3846, 53.5206, 55.5432
YIQ	158.2650, -100.6300, -48.5500

Conversions

Conversions Part 2

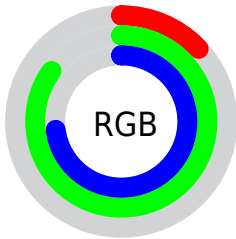
Format	Color
RYB	32, 133, 217
Decimal	2152891
CIELab	78.18, -49.68, 2.58
CIELCh	78, 49.752, 177.030
Yxy	53.5206, 0.2397, 0.3731
Android (android.graphics.Color)	4280342971 (0xFF20D9BB)
YUV	158.2650, 14.1664, -110.7344
Hunter-Lab	73.1578, -44.1301, 6.1960

Details

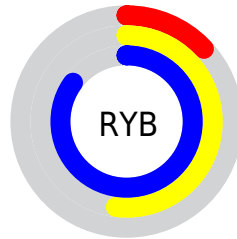
The Yxy color **53.5206, 0.2397, 0.3731** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.1458, 0.5741, 0.3089**, and the grayscale version is **34.3182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6359, 0.2478, 0.3429**, and **27.2110, 0.2395, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **53.1310, 0.2392, 0.3789**, and if you desaturate by 10%, it is **54.1467, 0.2420, 0.3673**.

Distribution



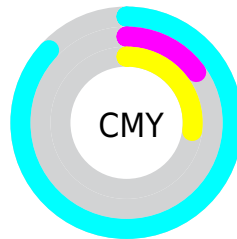
- Red (13%)
- Green (85%)
- Blue (73%)



- Red (13%)
- Yellow (52%)
- Blue (85%)



- Cyan (85%)
- Magenta (0%)
- Yellow (14%)
- Black (15%)




- Cyan (87%)
- Magenta (15%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5206, 0.2397, 0.3731 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 53.5206, 0.2397, 0.3731 by changing the saturation by 10% instead.


 53.5206, 0.2397,
0.3731

 53.5206, 0.2397,
0.3731


400.2793, 0.2752,
0.3514


 38.2185, 0.2312,
0.3784


 95.3700, 0.2523,
0.3653


 26.1523, 0.2205,
0.3851


 122.6861, 0.2571,
0.3624


 16.9376, 0.2067,
0.3938

 154.7757, 0.2612,
0.3599

 10.1900, 0.1881,
0.4057

 192.0231, 0.2648,
0.3577

 5.5251, 0.1622,
0.4227

 234.8128, 0.2679,
0.3558

 2.5586, 0.1230,
0.4493

283.5291, 0.2706,

 0.9059, 0.0000,

0.3542

0.5292

338.5565, 0.2730,
0.3527

■ 0.0000, 0.0000,
0.0000

■ 53.5206, 0.2397,
0.3731

■ 53.5206, 0.2397,
0.3731

■ 53.1310, 0.2392,
0.3789

■ 54.1467, 0.2420,
0.3673

■ 52.9922, 0.2394,
0.3817

■ 55.0420, 0.2463,
0.3615

■ 56.2401, 0.2525,
0.3558

■ 57.7683, 0.2605,
0.3502

■ 59.6507, 0.2702,
0.3449

■ 61.9094, 0.2811,
0.3399

■ 64.5644, 0.2931,
0.3353

■ 67.6343, 0.3059,
0.3310

■ 71.1368, 0.3192,
0.3272

Harmonies

Analogous

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



53.5206, 0.2963, 0.4317



53.5206, 0.2397, 0.3731



53.5206, 0.2047, 0.3047

Triad

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



53.5206, 0.2397, 0.3731



53.5206, 0.2563, 0.2291



53.5206, 0.4437, 0.3846

Complementary

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



53.5206, 0.2397, 0.3731



16.1458, 0.5741, 0.3089

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.



53.5206, 0.4336, 0.3343



53.5206, 0.2397, 0.3731



53.5206, 0.3184, 0.2497

Square

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



53.5206, 0.2397, 0.3731



53.5206, 0.2140, 0.2295



53.5206, 0.3856, 0.2869



53.5206, 0.4153, 0.4287

Rectangle

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



53.5206, 0.2397, 0.3731



53.5206, 0.1962, 0.2682



53.5206, 0.3856, 0.2869



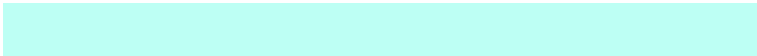
53.5206, 0.4449, 0.3680

Sweetspot

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



53.5227, 0.2397, 0.3731



88.8470, 0.2799, 0.3405



50.7860, 0.3094, 0.5793



18.7644, 0.2760, 0.3422



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.



53.5227, 0.2397, 0.3731



76.3564, 0.2395, 0.3822



28.8973, 0.2014, 0.2336



14.7914, 0.3004, 0.3328



32.0935, 0.2391, 0.3808



2.0891, 0.2365, 0.3714

Inverse Universe

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



16.1458, 0.5741, 0.3089



21.4227, 0.6203, 0.3191



22.8284, 0.5500, 0.3821



13.0858, 0.3266, 0.3252



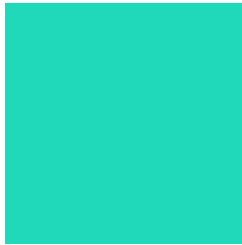
9.0144, 0.6158, 0.3166



0.5948, 0.5743, 0.2937

Previews

White Background



This preview shows how the Yxy color 53.5206, 0.2397, 0.3731 looks on a white background.

Color Contrast Check

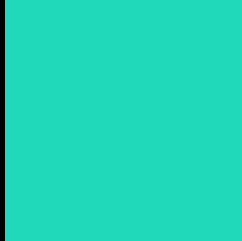
Large Text (above 18pt) WCAG AA × Fail

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 53.5206, 0.2397, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

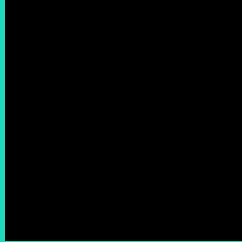
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

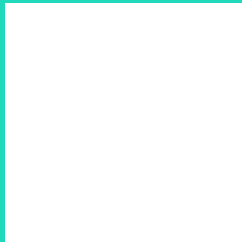
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.5206, 0.2397, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 53.5206, 0.2397, 0.3731.

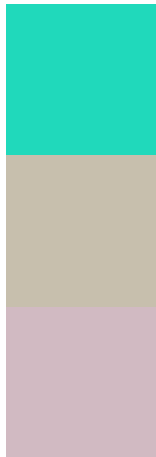


This preview shows how white text looks on a background with the Yxy color 53.5206, 0.2397, 0.3731.

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

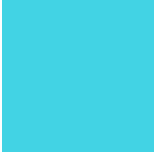
53.5206, 0.2397, 0.3731

Protanopia

52.4208, 0.3333, 0.3514

Deuteranopia

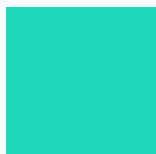
52.5682, 0.3257, 0.3195



Tritanopia

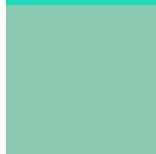
53.3482, 0.2266, 0.3057

Trichromacy



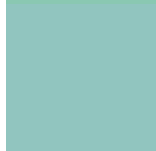
Original Color

53.5206, 0.2397, 0.3731



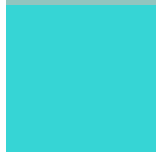
Protanomaly

49.9262, 0.2822, 0.3597



Deuteranomaly

49.7138, 0.2783, 0.3371



Tritanomaly

53.1769, 0.2308, 0.3288

Monochromacy



Original Color

53.5206, 0.2397, 0.3731



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

38.5495, 0.2677, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5206, 0.2397, 0.3731 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, 217, 187)` looks like.

```
.text, #text, p{  
    color:rgb(32, 217, 187)  
}
```

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, 217, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 217, 187) }
```

Border

The CSS property to change the border of an element to Yxy 53.5206, 0.2397, 0.3731 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, 217, 187) }
```

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

```
.border{ border-color:rgb(32, 217, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 217, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 217, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 217, 187);  
box-shadow:4px 4px 4px 4px rgb(32, 217,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5206, 0.2397, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 217, 187) }
```

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

```
.background{ background-color: rgb(32, 217,  
187) }
```

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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