

Converting Colors

$Y_{xy}(53.1596, 0.2548, 0.4191)$

Have a look what the booklet for
Yxy(53.1596, 0.2548, 0.4191)
contains.

Yxy(53.1596, 0.2548, 0.4191)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.1596, 0.2548, 0.4191)

Conversions

Conversions Part 1

Format	Color
Hex	2BDA9F
RGB	43, 218, 159
RGB Percent	17%, 85%, 62%
CMY	0.8322, 0.1450, 0.3764
CMYK	0.80, 0.00, 0.27, 0.15
HSL	160°, 70%, 51%
HSV	160°, 80%, 85%
XYZ	32.3194, 53.1596, 41.3633
YIQ	158.9490, -85.3610, -55.4490

Conversions

Conversions Part 2

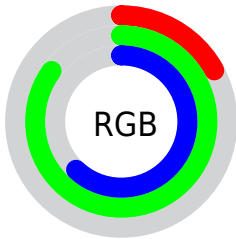
Format	Color
RYB	43, 148, 218
Decimal	2874015
CIELab	77.97, -56.05, 17.17
CIELCh	78, 58.620, 162.971
Yxy	53.1596, 0.2548, 0.4191
Android (android.graphics.Color)	4281064095 (0xFF2BDA9F)
YUV	158.9490, 0.0251, -101.6873
Hunter-Lab	72.9106, -48.4691, 17.4014

Details

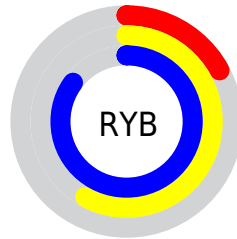
The Yxy color **53.1596, 0.2548, 0.4191** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.5742, 0.5029, 0.2748**, and the grayscale version is **34.6479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2266, 0.2614, 0.3788**, and **26.9022, 0.2563, 0.4428** is the 20% darker color. If you saturate the color by 10%, you get **52.5647, 0.2550, 0.4320**, and if you desaturate by 10%, it is **54.0250, 0.2566, 0.4061**.

Distribution



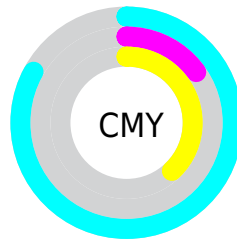
- Red (17%)
- Green (85%)
- Blue (62%)



- Red (17%)
- Yellow (58%)
- Blue (85%)



- Cyan (80%)
- Magenta (0%)
- Yellow (27%)
- Black (15%)





- Cyan (83%)
- Magenta (15%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1596, 0.2548, 0.4191 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 53.1596, 0.2548, 0.4191 by changing the saturation by 10% instead.


 53.1596, 0.2548,
0.4191


 53.1596, 0.2548,
0.4191

398.8971, 0.2842,
0.3725


 37.9302, 0.2474,
0.4312


 94.8392, 0.2656,
0.4018


 25.9285, 0.2378,
0.4469

 122.0581, 0.2696,
0.3955

 16.7702, 0.2250,
0.4681


 154.0424, 0.2730,
0.3901

 10.0708, 0.2072,
0.4985

 191.1764, 0.2759,
0.3856

 5.4459, 0.1808,
0.5447

 233.8444, 0.2784,
0.3816

 2.5112, 0.1306,
0.6279

282.4310, 0.2806,

 0.8822, 0.0000,

0.3782

1.0000

337.3204, 0.2825,
0.3752

■ 0.0000, 0.0000,
0.0000

■ 53.1596, 0.2548,
0.4191

■ 53.1596, 0.2548,
0.4191

■ 52.5647, 0.2550,
0.4320

■ 54.0250, 0.2566,
0.4061


■ 52.1814, 0.2568,
0.4443

■ 55.1899, 0.2605,
0.3932

■ 56.6865, 0.2661,
0.3807


■ 58.5409, 0.2734,
0.3688

■ 60.7767, 0.2819,
0.3576

 63.4151, 0.2915,
0.3473

 66.4762, 0.3017,
0.3378

 69.9784, 0.3123,
0.3293

 73.9390, 0.3231,
0.3217

Harmonies

Analogous

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



53.1596, 0.3269, 0.4697



53.1596, 0.2548, 0.4191



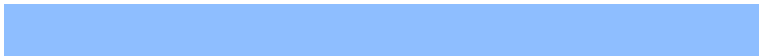
53.1596, 0.2022, 0.3357

Triad

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



53.1596, 0.2548, 0.4191



53.1596, 0.2207, 0.2109



53.1596, 0.4673, 0.3635

Complementary

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



53.1596, 0.2548, 0.4191



17.5742, 0.5029, 0.2748

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.



53.1596, 0.4336, 0.3071



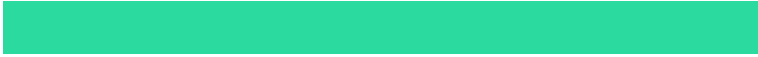
53.1596, 0.2548, 0.4191



53.1596, 0.2824, 0.2241

Square

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



53.1596, 0.2548, 0.4191



53.1596, 0.1859, 0.2227



53.1596, 0.3618, 0.2581



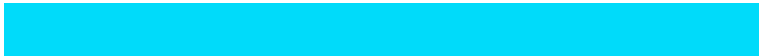
53.1596, 0.4521, 0.4200

Rectangle

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



53.1596, 0.2548, 0.4191



53.1596, 0.1836, 0.2848



53.1596, 0.3618, 0.2581



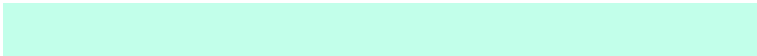
53.1596, 0.4615, 0.3443

Sweetspot

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



53.1617, 0.2548, 0.4191



88.9261, 0.2877, 0.3511



53.2718, 0.3273, 0.5584



18.7473, 0.2843, 0.3549



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.



53.1617, 0.2548, 0.4191



74.5866, 0.2561, 0.4403



43.1513, 0.2183, 0.2905



14.7512, 0.3027, 0.3370



31.2790, 0.2562, 0.4424



2.0422, 0.2504, 0.4216

Inverse Universe

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



17.5742, 0.5029, 0.2748



22.2651, 0.5563, 0.2860



19.3445, 0.5707, 0.3507



13.1235, 0.3239, 0.3212



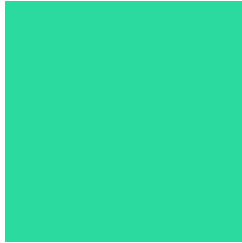
9.2393, 0.5616, 0.2868



0.6143, 0.5157, 0.2614

Previews

White Background



This preview shows how the Yxy color 53.1596, 0.2548, 0.4191 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 53.1596, 0.2548, 0.4191 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 53.1596, 0.2548, 0.4191

Background



This preview shows how black text looks on a background with the Yxy color 53.1596, 0.2548, 0.4191.

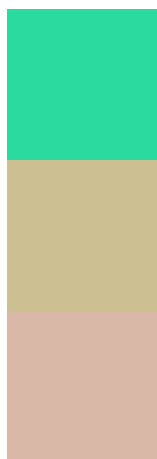


This preview shows how white text looks on a background with the Yxy color 53.1596, 0.2548, 0.4191.

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

53.1596, 0.2548, 0.4191

Protanopia

52.1743, 0.3593, 0.3848

Deuteranopia

51.9764, 0.3564, 0.3493



Tritanopia

52.8412, 0.2310, 0.3058

Trichromacy



Original Color

53.1596, 0.2548, 0.4191



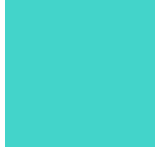
Protanomaly

50.0274, 0.3050, 0.3999



Deuteranomaly

49.0302, 0.3029, 0.3735



Tritanomaly

52.5445, 0.2384, 0.3431

Monochromacy



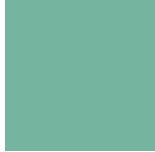
Original Color

53.1596, 0.2548, 0.4191



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

38.9276, 0.2781, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1596, 0.2548, 0.4191 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(43, 218, 159)` looks like.

```
.text, #text, p{  
    color:rgb(43, 218, 159)  
}
```

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(43, 218, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 218, 159) }
```

Border

The CSS property to change the border of an element to Yxy 53.1596, 0.2548, 0.4191 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(43, 218, 159) }
```

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

```
.border{ border-color:rgb(43, 218, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 218, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 218, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 218, 159);  
box-shadow:4px 4px 4px 4px rgb(43, 218,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1596, 0.2548, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 218, 159) }
```

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

```
.background{ background-color: rgb(43, 218,  
159) }
```

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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