

Converting Colors

$Yxy(53.9100, 0.2631, 0.4123)$

Have a look what the booklet for
Yxy(53.9100, 0.2631, 0.4123)
contains.

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Color

Yxy(53.7767, 0.2631, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	4DD9A1
RGB	77, 217, 161
RGB Percent	30%, 85%, 63%
CMY	0.6985, 0.1490, 0.3686
CMYK	0.65, 0.00, 0.26, 0.15
HSL	156°, 65%, 58%
HSV	156°, 65%, 85%
XYZ	34.2998, 53.7767, 42.2913
YIQ	168.7560, -65.4640, -47.0960

Conversions

Conversions Part 2

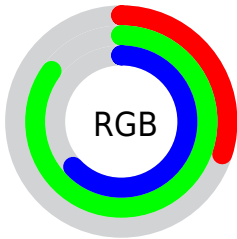
Format	Color
RYB	77, 165, 217
Decimal	5101985
CIELab	78.33, -50.62, 16.72
CIELCh	78, 53.313, 161.727
Yxy	53.7767, 0.2631, 0.4125
Android (android.graphics.Color)	4283292065 (0xFF4DD9A1)
YUV	168.7560, -3.8237, -80.4700
Hunter-Lab	73.3326, -44.8425, 17.1400

Details

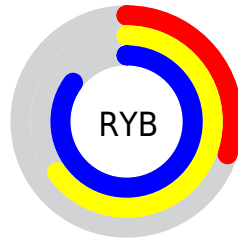
The Yxy color **53.7767, 0.2631, 0.4125** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **21.7367, 0.4344, 0.2660**, and the grayscale version is **39.5793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0533, 0.2696, 0.3752**, and **26.5939, 0.2547, 0.4368** is the 20% darker color. If you saturate the color by 10%, you get **52.7277, 0.2606, 0.4281**, and if you desaturate by 10%, it is **55.1521, 0.2675, 0.3972**.

Distribution



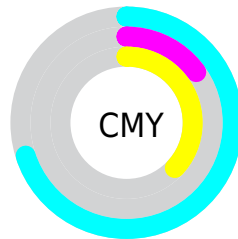
- Red (30%)
- Green (85%)
- Blue (63%)



- Red (30%)
- Yellow (65%)
- Blue (85%)



- Cyan (65%)
- Magenta (0%)
- Yellow (26%)
- Black (15%)




- Cyan (70%)
- Magenta (15%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.7767, 0.2631, 0.4125 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 53.7767, 0.2631, 0.4125 by changing the saturation by 10% instead.


 53.7767, 0.2631,
0.4125


 53.7767, 0.2631,
0.4125

401.2579, 0.2883,
0.3695

 38.4232, 0.2567,
0.4236


 95.7463, 0.2723,
0.3966

 26.3113, 0.2485,
0.4380


 123.1312, 0.2758,
0.3907

 17.0567, 0.2375,
0.4574


 155.2952, 0.2787,
0.3858

 10.2749, 0.2220,
0.4851

 192.6230, 0.2812,
0.3816

 5.5816, 0.1990,
0.5272

235.4987, 0.2833,
0.3780

 2.5924, 0.1601,
0.5989

284.3068, 0.2852,

 0.9228, 0.0000,

0.3748

1.0000

339.4318, 0.2868,
0.3720

■ 0.0000, 0.0000,
0.0000

■ 53.7767, 0.2631,
0.4125

■ 53.7767, 0.2631,
0.4125

■ 52.7277, 0.2606,
0.4281

■ 55.1521, 0.2675,
0.3972

■ 51.9668, 0.2602,
0.4438

■ 56.8748, 0.2736,
0.3825


■ 51.4577, 0.2617,
0.4591


■ 58.9715, 0.2810,
0.3687

■ 51.2513, 0.2631,
0.4672

■ 61.4643, 0.2894,
0.3558

■ 64.3736, 0.2986,
0.3441

 67.7183, 0.3082,
0.3335

 71.5163, 0.3181,
0.3240

 75.7843, 0.3279,
0.3155

 77.1286, 0.3252,
0.3072

Harmonies

Analogous

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



53.7767, 0.3297, 0.4562



53.7767, 0.2631, 0.4125



53.7767, 0.2133, 0.3389

Triad

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



53.7767, 0.2631, 0.4125



53.7767, 0.2266, 0.2204



53.7767, 0.4527, 0.3600

Complementary

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



53.7767, 0.2631, 0.4125



21.7367, 0.4344, 0.2660

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.



53.7767, 0.4200, 0.3076



53.7767, 0.2631, 0.4125



53.7767, 0.2827, 0.2314

Square

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



53.7767, 0.2631, 0.4125



53.7767, 0.1952, 0.2329



53.7767, 0.3546, 0.2623



53.7767, 0.4417, 0.4118

Rectangle

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



53.7767, 0.2631, 0.4125



53.7767, 0.1949, 0.2923



53.7767, 0.3546, 0.2623



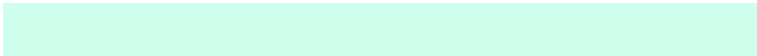
53.7767, 0.4466, 0.3422

Sweetspot

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



53.7788, 0.2631, 0.4125



90.7555, 0.2943, 0.3494



55.1481, 0.3356, 0.5168



19.1704, 0.2917, 0.3528



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.



53.7788, 0.2631, 0.4125



75.5942, 0.2603, 0.4330



49.2957, 0.2316, 0.3092



14.7368, 0.3035, 0.3385



31.0421, 0.2625, 0.4650



2.0279, 0.2557, 0.4403

Inverse Universe

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



21.7367, 0.4344, 0.2660



26.1620, 0.4743, 0.2623



22.7534, 0.5100, 0.3444



13.1373, 0.3229, 0.3197



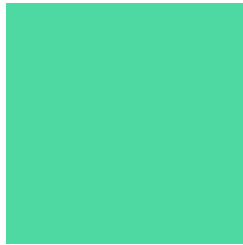
9.3634, 0.5368, 0.2731



0.6233, 0.4937, 0.2493

Previews

White Background



This preview shows how the Yxy color 53.7767, 0.2631, 0.4125 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 53.7767, 0.2631, 0.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

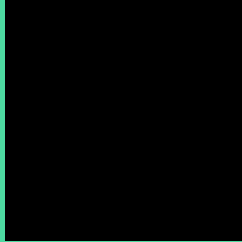
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.7767, 0.2631, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 53.7767, 0.2631, 0.4125.



This preview shows how white text looks on a background with the Yxy color 53.7767, 0.2631, 0.4125.

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

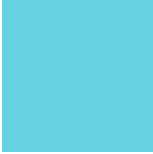
53.7767, 0.2631, 0.4125

Protanopia

52.8483, 0.3575, 0.3821

Deuteranopia

52.5851, 0.3561, 0.3492



Tritanopia

53.8039, 0.2386, 0.3075

Trichromacy



Original Color

53.7767, 0.2631, 0.4125



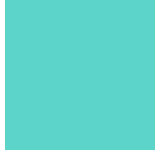
Protanomaly

51.3423, 0.3134, 0.3950



Deuteranomaly

50.8646, 0.3123, 0.3720



Tritanomaly

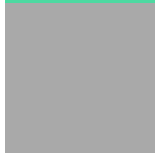
53.6265, 0.2469, 0.3428

Monochromacy



Original Color

53.7767, 0.2631, 0.4125



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

43.1052, 0.2876, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7767, 0.2631, 0.4125 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(77, 217, 161)` looks like.

```
.text, #text, p{  
    color:rgb(77, 217, 161)  
}
```

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(77, 217, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 217, 161) }
```

Border

The CSS property to change the border of an element to Yxy 53.7767, 0.2631, 0.4125 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(77, 217, 161) }
```

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

```
.border{ border-color:rgb(77, 217, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 217, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 217, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 217, 161);  
box-shadow:4px 4px 4px 4px rgb(77, 217,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7767, 0.2631, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 217, 161) }
```

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

```
.background{ background-color: rgb(77, 217,  
161) }
```

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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