

Converting Colors

$Y_{xy}(51.8190, 0.2546, 0.3961)$

Have a look what the booklet for
Yxy(51.8190, 0.2546, 0.3961)
contains.

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Color

Yxy(51.6113, 0.2543, 0.3953)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 42D5A9 |
| RGB | 66, 213, 169 |
| RGB Percent | 26%, 84%, 66% |
| CMY | 0.7412, 0.1647, 0.3372 |
| CMYK | 0.69, 0.00, 0.21, 0.16 |
| HSL | 162°, 64%, 55% |
| HSV | 162°, 69%, 84% |
| XYZ | 33.2020, 51.6113, 45.7491 |
| YIQ | 164.0310, -73.4880, -44.8480 |

Conversions

Conversions Part 2

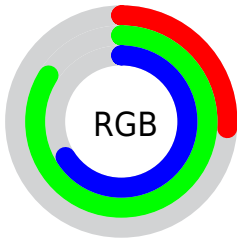
| Format | Color |
|-------------------------------------|--|
| RYB | 66, 152, 213 |
| Decimal | 4380073 |
| CIELab | 77.05, -48.93, 10.63 |
| CIElCh | 77, 50.072, 167.743 |
| Yxy | 51.6113, 0.2543, 0.3953 |
| Android (android.graphics.Color) | 4282570153 (0xFF42D5A9) |
| YUV | 164.0310, 2.4497, -85.9732 |
| Hunter-Lab | 71.8410, -43.2263, 12.5323 |

Details

The Yxy color **51.6113, 0.2543, 0.3953** 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 **19.1682, 0.4727, 0.2814**, and the grayscale version is **37.1543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7271, 0.2621, 0.3657**, and **25.3983, 0.2479, 0.4124** is the 20% darker color. If you saturate the color by 10%, you get **50.7726, 0.2519, 0.4067**, and if you desaturate by 10%, it is **52.7411, 0.2587, 0.3840**.

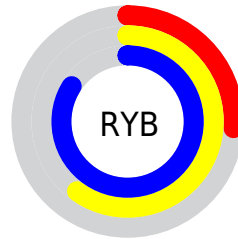
Distribution



Red (26%)

Green (84%)

Blue (66%)



Red (26%)

Yellow (60%)

Blue (84%)

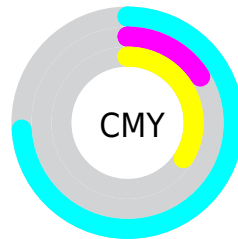


Cyan (69%)

Magenta (0%)

Yellow (21%)

Black (16%)



Cyan (74%)


Magenta (16%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6113, 0.2543, 0.3953 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 51.6113, 0.2543, 0.3953 by changing the saturation by 10% instead.


 51.6113, 0.2543,
0.3953


 51.6113, 0.2543,
0.3953


392.9342, 0.2835,
0.3614


 36.6953, 0.2470,
0.4040


 92.5577, 0.2649,
0.3828

 24.9717, 0.2378,
0.4152


 119.3570, 0.2689,
0.3782

 16.0560, 0.2255,
0.4304


 150.8862, 0.2722,
0.3743

 9.5638, 0.2085,
0.4518

 187.5296, 0.2751,
0.3710

 5.1107, 0.1838,
0.4844

229.6717, 0.2776,
0.3681

 2.3124, 0.1405,
0.5419

277.6970, 0.2798,

 0.7802, 0.0000,

0.3656

0.8800

331.9896, 0.2818,
0.3634

■ 0.0000, 0.0000,
0.0000

■ 51.6113, 0.2543,
0.3953

■ 51.6113, 0.2543,
0.3953

■ 50.7726, 0.2519,
0.4067

■ 52.7411, 0.2587,
0.3840

■ 50.1863, 0.2514,
0.4181

■ 54.1834, 0.2649,
0.3731


■ 49.8022, 0.2528,
0.4294

■ 55.9646, 0.2727,
0.3628


■ 49.7685, 0.2529,
0.4305


■ 58.1064, 0.2818,
0.3530

■ 60.6289, 0.2919,
0.3440

 63.5505, 0.3026,
0.3358

 66.8885, 0.3138,
0.3283

 70.6592, 0.3252,
0.3216

 74.3625, 0.3345,
0.3156

Harmonies

Analogous

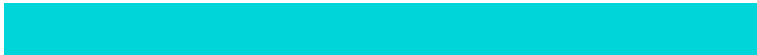
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.6113, 0.3161, 0.4449



51.6113, 0.2543, 0.3953



51.6113, 0.2111, 0.3247

Triad

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



51.6113, 0.2543, 0.3953



51.6113, 0.2394, 0.2252



51.6113, 0.4474, 0.3696

Complementary

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



51.6113, 0.2543, 0.3953



19.1682, 0.4727, 0.2814

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.



51.6113, 0.4243, 0.3187



51.6113, 0.2543, 0.3953



51.6113, 0.2973, 0.2400

Square

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



51.6113, 0.2543, 0.3953



51.6113, 0.2041, 0.2327



51.6113, 0.3666, 0.2730



51.6113, 0.4295, 0.4178

Rectangle

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



51.6113, 0.2543, 0.3953



51.6113, 0.1968, 0.2828



51.6113, 0.3666, 0.2730



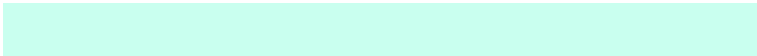
51.6113, 0.4444, 0.3525

Sweetspot

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



51.6133, 0.2543, 0.3953



90.2303, 0.2896, 0.3459



51.3051, 0.3254, 0.5348



19.0818, 0.2868, 0.3484



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.



51.6133, 0.2543, 0.3953



75.8316, 0.2514, 0.4123



40.0783, 0.2230, 0.2854



14.0416, 0.3022, 0.3361



30.4183, 0.2525, 0.4288



1.8490, 0.2471, 0.4094

Inverse Universe

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



19.1682, 0.4727, 0.2814



24.0685, 0.5269, 0.2834



22.7960, 0.5152, 0.3608



12.4814, 0.3245, 0.3220



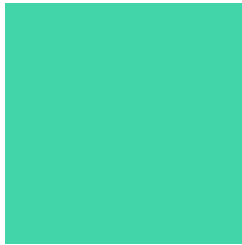
8.8813, 0.5751, 0.2942



0.5502, 0.5253, 0.2667

Previews

White Background



This preview shows how the Yxy color 51.6113, 0.2543, 0.3953 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 51.6113, 0.2543, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

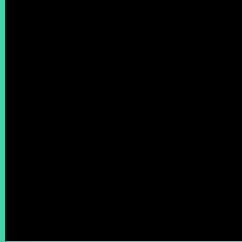
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

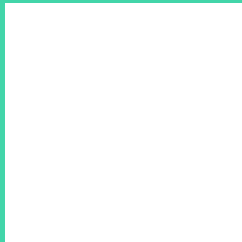
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6113, 0.2543, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 51.6113, 0.2543, 0.3953.

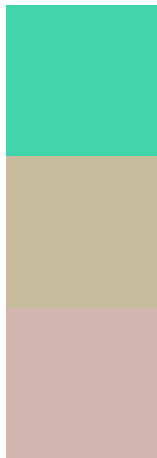


This preview shows how white text looks on a background with the Yxy color 51.6113, 0.2543, 0.3953.

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

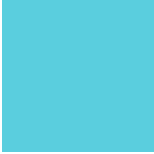
51.6113, 0.2543, 0.3953

Protanopia

50.5429, 0.3468, 0.3681

Deuteranopia

50.5875, 0.3438, 0.3363



Tritanopia

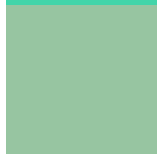
51.5902, 0.2349, 0.3070

Trichromacy



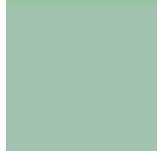
Original Color

51.6113, 0.2543, 0.3953



Protanomaly

49.0850, 0.3027, 0.3794



Deuteranomaly

48.5280, 0.3004, 0.3563



Tritanomaly

51.6621, 0.2414, 0.3373

Monochromacy



Original Color

51.6113, 0.2543, 0.3953



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.7983, 0.2814, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6113, 0.2543, 0.3953 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(66, 213, 169)` looks like.

```
.text, #text, p{  
    color:rgb(66, 213, 169)  
}
```

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(66, 213, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 213, 169) }
```

Border

The CSS property to change the border of an element to Yxy 51.6113, 0.2543, 0.3953 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(66, 213, 169) }
```

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

```
.border{ border-color:rgb(66, 213, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 213, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 213, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 213, 169); box-shadow:4px 4px 4px 4px rgb(66, 213, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6113, 0.2543, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 213, 169) }
```

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

```
.background{ background-color: rgb(66, 213,  
169) }
```

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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