

Converting Colors

$Y_{xy}(41.3937, 0.2553, 0.4076)$

Have a look what the booklet for
Yxy(41.3937, 0.2553, 0.4076)
contains.

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Color

Yxy(41.3940, 0.2553, 0.4076)

Conversions

Conversions Part 1

Format	Color
Hex	33C293
RGB	51, 194, 147
RGB Percent	20%, 76%, 58%
CMY	0.7997, 0.2392, 0.4235
CMYK	0.74, 0.00, 0.24, 0.24
HSL	160°, 58%, 48%
HSV	160°, 74%, 76%
XYZ	25.9271, 41.3940, 34.2343
YIQ	145.8850, -70.1410, -44.9330

Conversions

Conversions Part 2

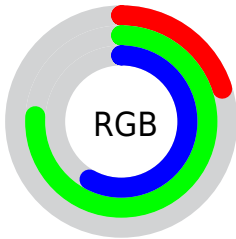
Format	Color
RYB	51, 137, 194
Decimal	3392147
CIELab	70.45, -48.36, 13.06
CIELCh	70, 50.094, 164.892
Yxy	41.3940, 0.2553, 0.4076
Android (android.graphics.Color)	4281582227 (0xFF33C293)
YUV	145.8850, 0.5497, -83.2141
Hunter-Lab	64.3382, -40.6596, 13.4885

Details

The Yxy color **41.3940, 0.2553, 0.4076** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **14.7258, 0.4799, 0.2756**, and the grayscale version is **28.7237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0630, 0.2666, 0.3913**, and **19.3098, 0.2529, 0.4305** is the 20% darker color. If you saturate the color by 10%, you get **40.7971, 0.2540, 0.4202**, and if you desaturate by 10%, it is **42.2155, 0.2586, 0.3951**.

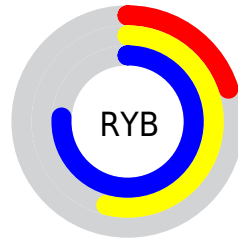
Distribution



Red (20%)

Green (76%)

Blue (58%)



Red (20%)

Yellow (54%)

Blue (76%)

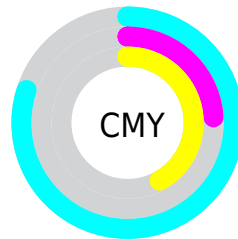


Cyan (74%)

Magenta (0%)

Yellow (24%)

Black (24%)



Cyan (80%)


Magenta (24%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3940, 0.2553, 0.4076 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 41.3940, 0.2553, 0.4076 by changing the saturation by 10% instead.


 41.3940, 0.2553,
0.4076


 41.3940, 0.2553,
0.4076


351.9646, 0.2854,
0.3656


 28.6271, 0.2474,
0.4190


 77.2816, 0.2665,
0.3917


 18.7989, 0.2370,
0.4342


 101.1711, 0.2707,
0.3859


 11.5251, 0.2227,
0.4554


 129.5370, 0.2741,
0.3811

 6.4212, 0.2020,
0.4871

 162.7635, 0.2770,
0.3770

 3.1028, 0.1698,
0.5386

 201.2351, 0.2796,
0.3736

 1.1857, 0.0000,
0.7736

245.3363, 0.2817,

 0.0499, 0.0000,

0.3706

1.0000

295.4513, 0.2837,
0.3679

■ 0.0000, 0.0000,
0.0000

■ 41.3940, 0.2553,
0.4076

■ 41.3940, 0.2553,
0.4076

■ 40.7971, 0.2540,
0.4202

■ 42.2155, 0.2586,
0.3951

■ 40.3916, 0.2546,
0.4327

■ 43.2801, 0.2638,
0.3829

■ 40.2007, 0.2557,
0.4405

■ 44.6099, 0.2707,
0.3712

■ 46.2230, 0.2789,
0.3601

■ 48.1360, 0.2882,
0.3499

■ 50.3642, 0.2982,
0.3405

■ 52.9218, 0.3088,
0.3319

■ 55.8220, 0.3196,
0.3242

■ 59.0775, 0.3304,
0.3174

Harmonies

Analogous

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



41.3940, 0.3224, 0.4574



41.3940, 0.2553, 0.4076



41.3940, 0.2072, 0.3309

Triad

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



41.3940, 0.2553, 0.4076



41.3940, 0.2296, 0.2181



41.3940, 0.4571, 0.3660

Complementary

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



41.3940, 0.2553, 0.4076



14.7258, 0.4799, 0.2756

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.



41.3940, 0.4283, 0.3124



41.3940, 0.2553, 0.4076



41.3940, 0.2892, 0.2318

Square

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



41.3940, 0.2553, 0.4076



41.3940, 0.1948, 0.2281



41.3940, 0.3634, 0.2652



41.3940, 0.4410, 0.4185

Rectangle

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



41.3940, 0.2553, 0.4076



41.3940, 0.1905, 0.2845



41.3940, 0.3634, 0.2652



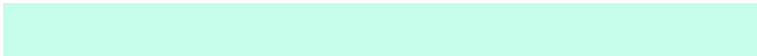
41.3940, 0.4525, 0.3479

Sweetspot

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



41.3956, 0.2553, 0.4076



87.7138, 0.2895, 0.3486



41.4590, 0.3278, 0.5434



18.9815, 0.2868, 0.3513



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.



41.3956, 0.2553, 0.4076



73.4563, 0.2541, 0.4274



33.4166, 0.2217, 0.2904



11.3703, 0.3027, 0.3367



26.4470, 0.2552, 0.4388



1.1550, 0.2476, 0.4112

Inverse Universe

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



14.7258, 0.4799, 0.2756



22.7087, 0.5341, 0.2805



16.7264, 0.5382, 0.3550



10.1313, 0.3238, 0.3215



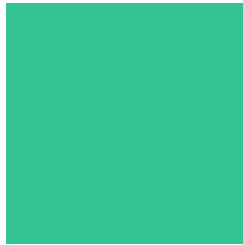
7.7960, 0.5632, 0.2876



0.3497, 0.4991, 0.2523

Previews

White Background



This preview shows how the Yxy color 41.3940, 0.2553, 0.4076 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 41.3940, 0.2553, 0.4076 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 41.3940, 0.2553, 0.4076

Background



This preview shows how black text looks on a background with the Yxy color 41.3940, 0.2553, 0.4076.



This preview shows how white text looks on a background with the Yxy color 41.3940, 0.2553, 0.4076.

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

41.3940, 0.2553, 0.4076

Protanopia

40.8485, 0.3536, 0.3772

Deuteranopia

40.6795, 0.3515, 0.3449



Tritanopia

41.4246, 0.2335, 0.3064

Trichromacy



Original Color

41.3940, 0.2553, 0.4076



Protanomaly

39.2020, 0.3049, 0.3895



Deuteranomaly

39.0358, 0.3032, 0.3668



Tritanomaly

41.4333, 0.2409, 0.3413

Monochromacy



Original Color

41.3940, 0.2553, 0.4076



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.6492, 0.2807, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3940, 0.2553, 0.4076 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(51, 194, 147)` looks like.

```
.text, #text, p{  
    color:rgb(51, 194, 147)  
}
```

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(51, 194, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 194, 147) }
```

Border

The CSS property to change the border of an element to Yxy 41.3940, 0.2553, 0.4076 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(51, 194, 147) }
```

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

```
.border{ border-color:rgb(51, 194, 147) }
```

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

Here you see how a box with a 4 pixel rgb(51, 194, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 194, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 194, 147);  
box-shadow:4px 4px 4px 4px rgb(51, 194,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3940, 0.2553, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 194, 147) }
```

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

```
.background{ background-color: rgb(51, 194,  
147) }
```

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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