

Converting Colors

$Y_{xy}(54.7240, 0.2592, 0.4324)$

Have a look what the booklet for
Yxy(54.7240, 0.2592, 0.4324)
contains.

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Color

Yxy(54.5937, 0.2592, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	2EDD99
RGB	46, 221, 153
RGB Percent	18%, 87%, 60%
CMY	0.8197, 0.1333, 0.3999
CMYK	0.79, 0.00, 0.31, 0.13
HSL	157°, 72%, 52%
HSV	157°, 79%, 87%
XYZ	32.7335, 54.5937, 38.9594
YIQ	160.9230, -82.4720, -58.2480

Conversions

Conversions Part 2

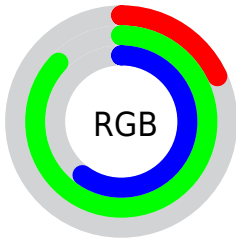
Format	Color
RYB	46, 155, 221
Decimal	3071385
CIELab	78.81, -58.18, 21.47
CIELCh	79, 62.013, 159.741
Yxy	54.5937, 0.2592, 0.4323
Android (android.graphics.Color)	4281261465 (0xFF2EDD99)
YUV	160.9230, -3.9060, -100.7875
Hunter-Lab	73.8875, -50.2246, 20.4589

Details

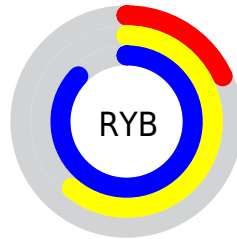
The Yxy color **54.5937, 0.2592, 0.4323** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **18.5388, 0.4828, 0.2646**, and the grayscale version is **35.6488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0671, 0.2649, 0.3864**, and **27.8696, 0.2606, 0.4581** is the 20% darker color. If you saturate the color by 10%, you get **53.9347, 0.2596, 0.4474**, and if you desaturate by 10%, it is **55.5413, 0.2608, 0.4171**.

Distribution



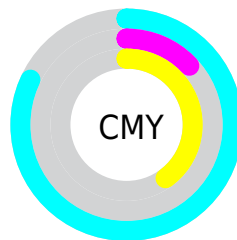
- Red (18%)
- Green (87%)
- Blue (60%)



- Red (18%)
- Yellow (61%)
- Blue (87%)



- Cyan (79%)
- Magenta (0%)
- Yellow (31%)
- Black (13%)




- Cyan (82%)
- Magenta (13%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5937, 0.2592, 0.4323 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 54.5937, 0.2592, 0.4323 by changing the saturation by 10% instead.


 54.5937, 0.2592,
0.4323

 54.5937, 0.2592,
0.4323


404.3699, 0.2867,
0.3788


 39.0765, 0.2521,
0.4462


 96.9454, 0.2694,
0.4124


 26.8193, 0.2429,
0.4643


 124.5487, 0.2731,
0.4051


 17.4375, 0.2306,
0.4888


 156.9495, 0.2763,
0.3989

 10.5469, 0.2132,
0.5237

 194.5323, 0.2790,
0.3937

 5.7631, 0.1870,
0.5766

 237.6813, 0.2813,
0.3892

 2.7015, 0.1388,
0.6710

286.7809, 0.2834,

 0.9780, 0.0000,

0.3852

1.0000

342.2157, 0.2852,
0.3818

■ 0.0000, 0.0000,
0.0000

■ 54.5937, 0.2592,
0.4323

■ 54.5937, 0.2592,
0.4323

■ 53.9347, 0.2596,
0.4474

■ 55.5413, 0.2608,
0.4171

■ 53.4998, 0.2618,
0.4621

■ 56.8070, 0.2645,
0.4021

■ 53.4688, 0.2620,
0.4632


■ 58.4234, 0.2699,
0.3875

■ 60.4176, 0.2768,
0.3737

■ 62.8135, 0.2849,
0.3607

 65.6334, 0.2940,
0.3488

 68.8976, 0.3036,
0.3380

 72.6253, 0.3135,
0.3283

 76.8345, 0.3236,
0.3196

Harmonies

Analogous

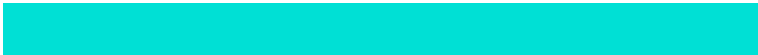
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.5937, 0.3354, 0.4792



54.5937, 0.2592, 0.4323



54.5937, 0.2018, 0.3452

Triad

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



54.5937, 0.2592, 0.4323



54.5937, 0.2115, 0.2062



54.5937, 0.4732, 0.3576

Complementary

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



54.5937, 0.2592, 0.4323



18.5388, 0.4828, 0.2646

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.



54.5937, 0.4328, 0.2997



54.5937, 0.2592, 0.4323



54.5937, 0.2727, 0.2173

Square

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



54.5937, 0.2592, 0.4323



54.5937, 0.1787, 0.2211



54.5937, 0.3548, 0.2504



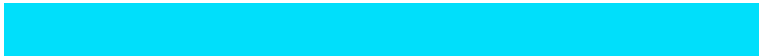
54.5937, 0.4619, 0.4168

Rectangle

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



54.5937, 0.2592, 0.4323



54.5937, 0.1804, 0.2900



54.5937, 0.3548, 0.2504



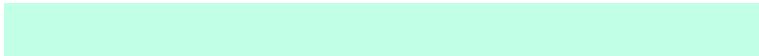
54.5937, 0.4654, 0.3378

Sweetspot

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



54.5959, 0.2592, 0.4323



88.7455, 0.2894, 0.3546



55.6240, 0.3331, 0.5522



18.7037, 0.2862, 0.3590



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.



54.5959, 0.2592, 0.4323



74.1738, 0.2609, 0.4571



48.7498, 0.2223, 0.3040



14.7394, 0.3034, 0.3382



31.0825, 0.2614, 0.4610



2.0304, 0.2547, 0.4370

Inverse Universe

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



18.5388, 0.4828, 0.2646



22.5996, 0.5334, 0.2738



19.1781, 0.5747, 0.3432



13.1348, 0.3231, 0.3200



9.3393, 0.5414, 0.2756



0.6216, 0.4976, 0.2515

Previews

White Background



This preview shows how the Yxy color 54.5937, 0.2592, 0.4323 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 54.5937, 0.2592, 0.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

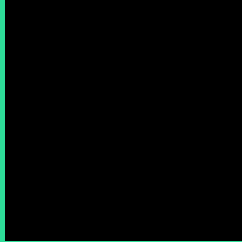
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.5937, 0.2592, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 54.5937, 0.2592, 0.4323.



This preview shows how white text looks on a background with the Yxy color 54.5937, 0.2592, 0.4323.

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

54.5937, 0.2592, 0.4323

Protanopia

53.4729, 0.3662, 0.3924

Deuteranopia

53.3790, 0.3654, 0.3584



Tritanopia

54.2241, 0.2320, 0.3048

Trichromacy



Original Color

54.5937, 0.2592, 0.4323



Protanomaly

51.1458, 0.3118, 0.4104



Deuteranomaly

50.6864, 0.3108, 0.3853



Tritanomaly

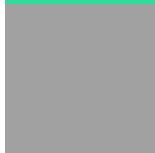
54.1575, 0.2410, 0.3486

Monochromacy



Original Color

54.5937, 0.2592, 0.4323



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

40.2575, 0.2806, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5937, 0.2592, 0.4323 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(46, 221, 153)` looks like.

```
.text, #text, p{  
    color:rgb(46, 221, 153)  
}
```

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(46, 221, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 221, 153) }
```

Border

The CSS property to change the border of an element to Yxy 54.5937, 0.2592, 0.4323 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(46, 221, 153) }
```

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

```
.border{ border-color:rgb(46, 221, 153) }
```

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

Here you see how a box with a 4 pixel rgb(46, 221, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 221, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 221, 153);  
box-shadow:4px 4px 4px 4px rgb(46, 221,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5937, 0.2592, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 221, 153) }
```

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

```
.background{ background-color: rgb(46, 221,  
153) }
```

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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