

Converting Colors

$Yxy(53.5234, 0.2704, 0.4934)$

Have a look what the booklet for
Yxy(53.5234, 0.2704, 0.4934)
contains.

Yxy(53.5269, 0.2704, 0.4935)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.5269, 0.2704, 0.4935)

Conversions

Conversions Part 1

Format	Color
Hex	00DE75
RGB	0, 222, 117
RGB Percent	0%, 87%, 46%
CMY	1.0000, 0.1294, 0.5413
CMYK	1.00, 0.00, 0.47, 0.13
HSL	152°, 100%, 44%
HSV	152°, 100%, 87%
XYZ	29.3286, 53.5269, 25.6083
YIQ	143.6520, -98.6070, -79.7190

Conversions

Conversions Part 2

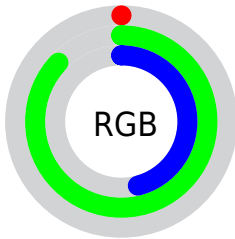
Format	Color
RYB	0, 145, 222
Decimal	56949
CIELab	78.19, -68.10, 38.93
CIELCh	78, 78.441, 150.241
Yxy	53.5269, 0.2704, 0.4935
Android (android.graphics.Color)	4278247029 (0xFF00DE75)
YUV	143.6520, -13.1394, -125.9828
Hunter-Lab	73.1621, -56.4780, 30.4607

Details

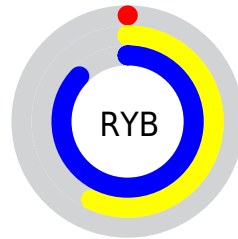
The Yxy color **53.5269, 0.2704, 0.4935** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.5514, 0.5100, 0.2583**, and the grayscale version is **27.8270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5481, 0.2772, 0.4380**, and **27.3036, 0.2809, 0.5311** is the 20% darker color. If you saturate the color by 10%, you get **53.5307, 0.2704, 0.4935**, and if you desaturate by 10%, it is **53.9646, 0.2675, 0.4761**.

Distribution



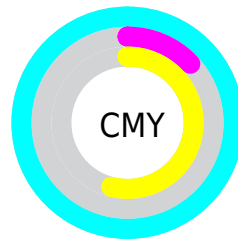
- Red (0%)
- Green (87%)
- Blue (46%)



- Red (0%)
- Yellow (57%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5269, 0.2704, 0.4935 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 53.5269, 0.2704, 0.4935 by changing the saturation by 10% instead.


 53.5269, 0.2704,
0.4935


 53.5269, 0.2704,
0.4935


400.3034, 0.2950,
0.4062


 38.2236, 0.2632,
0.5165


 95.3792, 0.2802,
0.4608

 26.1562, 0.2532,
0.5465


 122.6970, 0.2836,
0.4488


 16.9406, 0.2390,
0.5870


 154.7884, 0.2864,
0.4388

 10.1921, 0.2175,
0.6435

 192.0378, 0.2887,
0.4303

 5.5265, 0.1834,
0.7277

 234.8296, 0.2907,
0.4230

 2.5594, 0.0894,
0.9106

283.5482, 0.2923,

 0.9063, 0.0000,

0.4166

1.0000

338.5780, 0.2938,
0.4111

■ 0.0000, 0.0000,
0.0000

■ 53.5269, 0.2704,
0.4935

■ 53.5269, 0.2704,
0.4935

■ 53.5307, 0.2704,
0.4935

■ 53.9646, 0.2675,
0.4761

■ 54.6257, 0.2663,
0.4579

■ 55.5797, 0.2671,
0.4392

■ 56.8638, 0.2698,
0.4206

■ 58.5097, 0.2744,
0.4025

■ 60.5452, 0.2804,
0.3853

■ 62.9951, 0.2876,
0.3692

■ 65.8824, 0.2955,
0.3544

■ 69.2281, 0.3040,
0.3410

Harmonies

Analogous

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



53.5269, 0.3652, 0.5223



53.5269, 0.2704, 0.4935



53.5269, 0.1924, 0.3854

Triad

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



53.5269, 0.2704, 0.4935



53.5269, 0.1731, 0.1817



53.5269, 0.5065, 0.3353

Complementary

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



53.5269, 0.2704, 0.4935



16.5514, 0.5100, 0.2583

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.



53.5269, 0.4368, 0.2705



53.5269, 0.2704, 0.4935



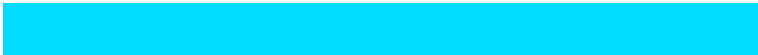
53.5269, 0.2345, 0.1867

Square

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



53.5269, 0.2704, 0.4935



53.5269, 0.1459, 0.2077



53.5269, 0.3299, 0.2179



53.5269, 0.5077, 0.4058

Rectangle

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



53.5269, 0.2704, 0.4935



53.5269, 0.1604, 0.3074



53.5269, 0.3299, 0.2179



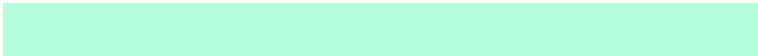
53.5269, 0.4903, 0.3129

Sweetspot

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



53.5307, 0.2704, 0.4935



86.1487, 0.2874, 0.3695



55.3915, 0.3335, 0.5734



18.1203, 0.2842, 0.3762



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.



53.5307, 0.2704, 0.4935



73.2514, 0.2708, 0.4948



55.5770, 0.2232, 0.3236



15.4573, 0.3045, 0.3403



31.8163, 0.2697, 0.4910



2.2234, 0.2622, 0.4639

Inverse Universe

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



16.5514, 0.5100, 0.2583



22.6316, 0.5117, 0.2593



15.6112, 0.6391, 0.3307



13.8080, 0.3218, 0.3180



9.8525, 0.5065, 0.2564



0.7009, 0.4705, 0.2365

Previews

White Background



This preview shows how the Yxy color 53.5269, 0.2704, 0.4935 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 53.5269, 0.2704, 0.4935 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 53.5269, 0.2704, 0.4935

Background



This preview shows how black text looks on a background with the Yxy color 53.5269, 0.2704, 0.4935.



This preview shows how white text looks on a background with the Yxy color 53.5269, 0.2704, 0.4935.

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

53.5269, 0.2704, 0.4935

Protanopia

52.5888, 0.3956, 0.4305

Deuteranopia

52.2223, 0.4016, 0.3928



Tritanopia

53.5241, 0.2319, 0.3059

Trichromacy



Original Color

53.5269, 0.2704, 0.4935



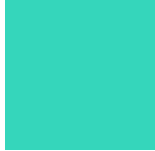
Protanomaly

48.9060, 0.3229, 0.4644



Deuteranomaly

47.4736, 0.3250, 0.4359



Tritanomaly

52.4379, 0.2424, 0.3687

Monochromacy



Original Color

53.5269, 0.2704, 0.4935



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

33.5016, 0.2769, 0.3953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5269, 0.2704, 0.4935 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(0, 222, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 117)  
}
```

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(0, 222, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 117) }
```

Border

The CSS property to change the border of an element to Yxy 53.5269, 0.2704, 0.4935 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(0, 222, 117) }
```

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

```
.border{ border-color:rgb(0, 222, 117) }
```

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

Here you see how a box with a 4 pixel rgb(0, 222, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5269, 0.2704, 0.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 117) }
```

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

```
.background{ background-color: rgb(0, 222,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor