

Converting Colors

$Y_{xy}(53.1151, 0.2721, 0.4850)$

Have a look what the booklet for
Yxy(53.1151, 0.2721, 0.4850)
contains.

Yxy(52.8998, 0.2723, 0.4854)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.8998, 0.2723, 0.4854)

Conversions

Conversions Part 1

Format	Color
Hex	23DC78
RGB	35, 220, 120
RGB Percent	14%, 86%, 47%
CMY	0.8626, 0.1372, 0.5295
CMYK	0.84, 0.00, 0.45, 0.14
HSL	148°, 73%, 50%
HSV	148°, 84%, 86%
XYZ	29.6758, 52.8998, 26.4063
YIQ	153.2850, -78.1600, -70.3200

Conversions

Conversions Part 2

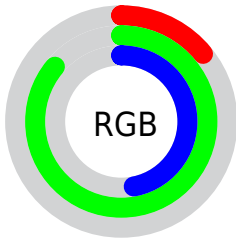
Format	Color
RYB	35, 162, 220
Decimal	2350200
CIELab	77.82, -65.18, 37.03
CIELCh	78, 74.961, 150.398
Yxy	52.8998, 0.2723, 0.4854
Android (android.graphics.Color)	4280540280 (0xFF23DC78)
YUV	153.2850, -16.4095, -103.7359
Hunter-Lab	72.7322, -54.4510, 29.3866

Details

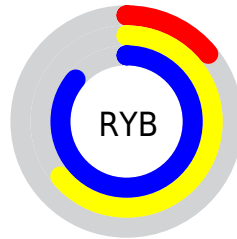
The Yxy color **52.8998, 0.2723, 0.4854** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **18.1715, 0.4462, 0.2351**, and the grayscale version is **32.0884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2208, 0.2786, 0.4317**, and **26.6241, 0.2789, 0.5239** is the 20% darker color. If you saturate the color by 10%, you get **52.3587, 0.2747, 0.5052**, and if you desaturate by 10%, it is **53.7219, 0.2718, 0.4645**.

Distribution



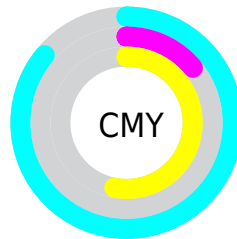
- Red (14%)
- Green (86%)
- Blue (47%)



- Red (14%)
- Yellow (64%)
- Blue (86%)



- Cyan (84%)
- Magenta (0%)
- Yellow (45%)
- Black (14%)





- Cyan (86%)
- Magenta (14%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8998, 0.2723, 0.4854 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 52.8998, 0.2723, 0.4854 by changing the saturation by 10% instead.


 52.8998, 0.2723,
0.4854

 52.8998, 0.2723,
0.4854


397.9006, 0.2957,
0.4025


 37.7228, 0.2655,
0.5073


 94.4569, 0.2815,
0.4543


 25.7676, 0.2561,
0.5359


 121.6058, 0.2848,
0.4429


 16.6499, 0.2427,
0.5746


 153.5141, 0.2875,
0.4334

 9.9852, 0.2223,
0.6291

 190.5662, 0.2897,
0.4253

 5.3891, 0.1895,
0.7098

 233.1465, 0.2915,
0.4184

 2.4773, 0.1027,
0.8973

281.6394, 0.2931,


 0.8653, 0.0000,


0.4124


1.0000


336.4293, 0.2945,
0.4071

 0.0000, 0.0000,
0.0000

 52.8998, 0.2723,
0.4854


 52.8998, 0.2723,
0.4854


 52.3587, 0.2747,
0.5052


 53.7219, 0.2718,
0.4645

 52.1287, 0.2767,
0.5162

 54.8589, 0.2733,
0.4431

 56.3463, 0.2766,
0.4220

 58.2131, 0.2815,
0.4017

 60.4850, 0.2875,
0.3825

■ 63.1855, 0.2944,
0.3649

■ 66.3362, 0.3018,
0.3488

■ 69.9573, 0.3095,
0.3344

■ 74.0676, 0.3173,
0.3216

Harmonies

Analogous

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



52.8998, 0.3641, 0.5147



52.8998, 0.2723, 0.4854



52.8998, 0.1966, 0.3827

Triad

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



52.8998, 0.2723, 0.4854



52.8998, 0.1778, 0.1863



52.8998, 0.4991, 0.3365

Complementary

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



52.8998, 0.2723, 0.4854



18.1715, 0.4462, 0.2351

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.



52.8998, 0.4324, 0.2731



52.8998, 0.2723, 0.4854



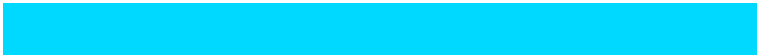
52.8998, 0.2378, 0.1912

Square

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



52.8998, 0.2723, 0.4854



52.8998, 0.1510, 0.2119



52.8998, 0.3300, 0.2218



52.8998, 0.5009, 0.4052

Rectangle

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



52.8998, 0.2723, 0.4854



52.8998, 0.1654, 0.3084



52.8998, 0.3300, 0.2218



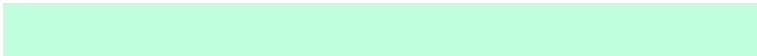
52.8998, 0.4835, 0.3146

Sweetspot

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



52.9019, 0.2723, 0.4854



87.8239, 0.2936, 0.3668



56.6089, 0.3499, 0.5475



18.5021, 0.2911, 0.3729



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.



52.9019, 0.2723, 0.4854



72.8066, 0.2771, 0.5177



56.2374, 0.2310, 0.3417



14.7052, 0.3054, 0.3419



30.6144, 0.2760, 0.5134



2.0006, 0.2672, 0.4820

Inverse Universe

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



18.1715, 0.4462, 0.2351



23.0922, 0.4825, 0.2432



16.6043, 0.5974, 0.3244



13.1687, 0.3208, 0.3164



9.7340, 0.4778, 0.2406



0.6479, 0.4453, 0.2226

Previews

White Background



This preview shows how the Yxy color 52.8998, 0.2723, 0.4854 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 52.8998, 0.2723, 0.4854 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 52.8998, 0.2723, 0.4854

Background



This preview shows how black text looks on a background with the Yxy color 52.8998, 0.2723, 0.4854.

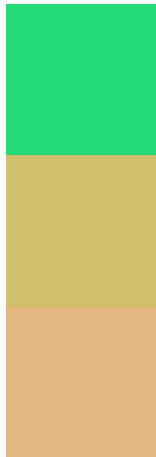


This preview shows how white text looks on a background with the Yxy color 52.8998, 0.2723, 0.4854.

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

52.8998, 0.2723, 0.4854

Protanopia

51.9210, 0.3922, 0.4270

Deuteranopia

51.5349, 0.3986, 0.3899



Tritanopia

52.6227, 0.2335, 0.3058

Trichromacy



Original Color

52.8998, 0.2723, 0.4854



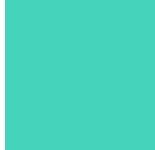
Protanomaly

49.5443, 0.3305, 0.4554



Deuteranomaly

48.2553, 0.3330, 0.4273



Tritanomaly

51.9400, 0.2461, 0.3655

Monochromacy



Original Color

52.8998, 0.2723, 0.4854



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.6824, 0.2853, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8998, 0.2723, 0.4854 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(35, 220, 120)` looks like.

```
.text, #text, p{  
    color:rgb(35, 220, 120)  
}
```

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(35, 220, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 220, 120) }
```

Border

The CSS property to change the border of an element to Yxy 52.8998, 0.2723, 0.4854 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(35, 220, 120) }
```

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

```
.border{ border-color:rgb(35, 220, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 220, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(35, 220, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(35, 220, 120); box-shadow:4px 4px 4px 4px rgb(35, 220, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8998, 0.2723, 0.4854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 220, 120) }
```

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

```
.background{ background-color: rgb(35, 220,  
120) }
```

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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