

Converting Colors

$Yxy(53.8963, 0.2712, 0.4592)$

Have a look what the booklet for
Yxy(53.8963, 0.2712, 0.4592)
contains.

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Color

Yxy(53.8963, 0.2712, 0.4592)

Conversions

Conversions Part 1

Format	Color
Hex	3CDC87
RGB	60, 220, 135
RGB Percent	24%, 86%, 53%
CMY	0.7646, 0.1372, 0.4706
CMYK	0.73, 0.00, 0.39, 0.14
HSL	148°, 70%, 55%
HSV	148°, 73%, 86%
XYZ	31.8307, 53.8963, 31.6429
YIQ	162.4700, -68.0750, -60.3550

Conversions

Conversions Part 2

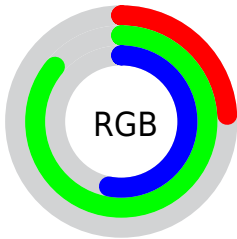
Format	Color
RYB	60, 169, 220
Decimal	3988615
CIELab	78.40, -59.68, 30.29
CIElCh	78, 66.925, 153.094
Yxy	53.8963, 0.2712, 0.4592
Android (android.graphics.Color)	4282178695 (0xFF3CDC87)
YUV	162.4700, -13.5427, -89.8662
Hunter-Lab	73.4141, -51.0810, 25.8347

Details

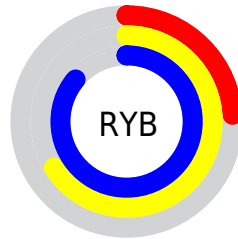
The Yxy color **53.8963, 0.2712, 0.4592** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **20.4975, 0.4235, 0.2395**, and the grayscale version is **36.4575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7833, 0.2771, 0.4105**, and **27.1910, 0.2709, 0.4951** is the 20% darker color. If you saturate the color by 10%, you get **53.0380, 0.2713, 0.4799**, and if you desaturate by 10%, it is **55.0798, 0.2730, 0.4382**.

Distribution



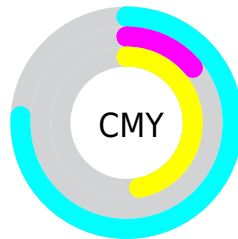
- Red (24%)
- Green (86%)
- Blue (53%)



- Red (24%)
- Yellow (66%)
- Blue (86%)



- Cyan (73%)
- Magenta (0%)
- Yellow (39%)
- Black (14%)





- Cyan (76%)
- Magenta (14%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8963, 0.2712, 0.4592 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 53.8963, 0.2712, 0.4592 by changing the saturation by 10% instead.

 53.8963, 0.2712,
0.4592

 53.8963, 0.2712,
0.4592


401.7144, 0.2939,
0.3909

 38.5188, 0.2649,
0.4771


 95.9220, 0.2799,
0.4337

 26.3856, 0.2565,
0.5005


 123.3389, 0.2831,
0.4243


 17.1123, 0.2448,
0.5323


 155.5377, 0.2857,
0.4165

 10.3146, 0.2274,
0.5774

 192.9029, 0.2879,
0.4098

 5.6080, 0.1998,
0.6451

 235.8187, 0.2897,
0.4041

 2.6082, 0.1503,
0.8181

284.6697, 0.2913,

 0.9308, 0.0000,

0.3991

1.0000

339.8401, 0.2927,
0.3947

■ 0.0000, 0.0000,
0.0000

■ 53.8963, 0.2712,
0.4592

■ 53.8963, 0.2712,
0.4592

■ 53.0380, 0.2713,
0.4799

■ 55.0798, 0.2730,
0.4382

■ 52.4592, 0.2734,
0.4996


■ 56.6145, 0.2766,
0.4175


■ 52.1686, 0.2759,
0.5132


■ 58.5309, 0.2817,
0.3977


■ 60.8545, 0.2880,
0.3791

■ 63.6084, 0.2951,
0.3620

 66.8138, 0.3027,
0.3464

 70.4908, 0.3106,
0.3325

 74.6579, 0.3185,
0.3201

 78.7518, 0.3242,
0.3091

Harmonies

Analogous

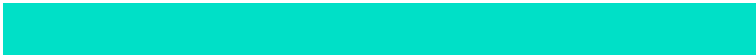
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.8963, 0.3542, 0.4942



53.8963, 0.2712, 0.4592



53.8963, 0.2042, 0.3679

Triad

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



53.8963, 0.2712, 0.4592



53.8963, 0.1940, 0.1987



53.8963, 0.4815, 0.3439

Complementary

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



53.8963, 0.2712, 0.4592



20.4975, 0.4235, 0.2395

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.



53.8963, 0.4264, 0.2843



53.8963, 0.2712, 0.4592



53.8963, 0.2523, 0.2051

Square

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



53.8963, 0.2712, 0.4592



53.8963, 0.1663, 0.2206



53.8963, 0.3372, 0.2353



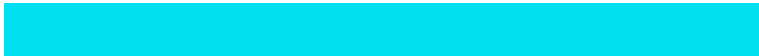
53.8963, 0.4801, 0.4073

Rectangle

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



53.8963, 0.2712, 0.4592



53.8963, 0.1768, 0.3043



53.8963, 0.3372, 0.2353



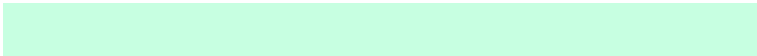
53.8963, 0.4690, 0.3233

Sweetspot

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



53.8985, 0.2712, 0.4592



89.0949, 0.2955, 0.3611



57.5660, 0.3497, 0.5277



18.8297, 0.2935, 0.3656



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.



53.8985, 0.2712, 0.4592



73.6549, 0.2722, 0.4899



57.0388, 0.2338, 0.3361



14.7073, 0.3053, 0.3417



30.6386, 0.2751, 0.5104



2.0022, 0.2665, 0.4793

Inverse Universe

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



20.4975, 0.4235, 0.2395



24.5920, 0.4577, 0.2376



18.8376, 0.5540, 0.3251



13.1666, 0.3209, 0.3166



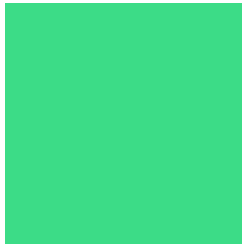
9.7053, 0.4817, 0.2427



0.6461, 0.4484, 0.2244

Previews

White Background



This preview shows how the Yxy color 53.8963, 0.2712, 0.4592 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 53.8963, 0.2712, 0.4592 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 53.8963, 0.2712, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 53.8963, 0.2712, 0.4592.

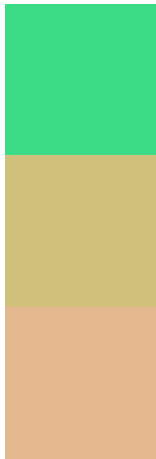


This preview shows how white text looks on a background with the Yxy color 53.8963, 0.2712, 0.4592.

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

53.8963, 0.2712, 0.4592

Protanopia

52.7098, 0.3806, 0.4113

Deuteranopia

52.5950, 0.3850, 0.3766



Tritanopia

53.5787, 0.2362, 0.3061

Trichromacy



Original Color

53.8963, 0.2712, 0.4592



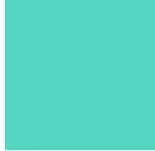
Protanomaly

50.7681, 0.3280, 0.4321



Deuteranomaly

49.9329, 0.3295, 0.4070



Tritanomaly

53.2778, 0.2482, 0.3574

Monochromacy



Original Color

53.8963, 0.2712, 0.4592



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

40.4939, 0.2891, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8963, 0.2712, 0.4592 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(60, 220, 135)` looks like.

```
.text, #text, p{  
    color:rgb(60, 220, 135)  
}
```

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(60, 220, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 220, 135) }
```

Border

The CSS property to change the border of an element to Yxy 53.8963, 0.2712, 0.4592 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(60, 220, 135) }
```

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

```
.border{ border-color:rgb(60, 220, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 220, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 220, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 220, 135);  
box-shadow:4px 4px 4px 4px rgb(60, 220,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8963, 0.2712, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 220, 135) }
```

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

```
.background{ background-color: rgb(60, 220,  
135) }
```

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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