

Converting Colors

$Y_{xy}(42.8388, 0.2589, 0.4380)$

Have a look what the booklet for
Yxy(42.8388, 0.2589, 0.4380)
contains.

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Color

Yxy(42.8752, 0.2592, 0.4389)

Conversions

Conversions Part 1

Format	Color
Hex	20C786
RGB	32, 199, 134
RGB Percent	13%, 78%, 53%
CMY	0.8746, 0.2196, 0.4745
CMYK	0.84, 0.00, 0.33, 0.22
HSL	157°, 72%, 45%
HSV	157°, 84%, 78%
XYZ	25.3207, 42.8752, 29.4920
YIQ	141.6570, -78.6670, -55.6190

Conversions

Conversions Part 2

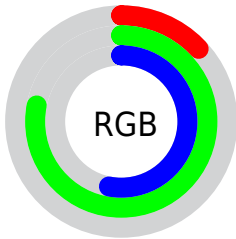
Format	Color
RYB	32, 136, 199
Decimal	2148230
CIELab	71.47, -55.30, 21.41
CIELCh	71, 59.302, 158.839
Yxy	42.8752, 0.2592, 0.4389
Android (android.graphics.Color)	4280338310 (0xFF20C786)
YUV	141.6570, -3.7749, -96.1692
Hunter-Lab	65.4792, -45.5628, 19.1311

Details

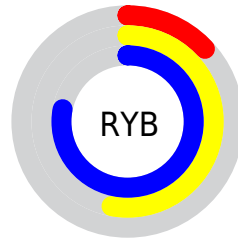
The Yxy color **42.8752, 0.2592, 0.4389** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark muted spring green. A complement of this color would be **14.0367, 0.4958, 0.2654**, and the grayscale version is **26.9426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3591, 0.2703, 0.4149**, and **20.5866, 0.2636, 0.4688** is the 20% darker color. If you saturate the color by 10%, you get **42.4407, 0.2604, 0.4538**, and if you desaturate by 10%, it is **43.5210, 0.2600, 0.4238**.

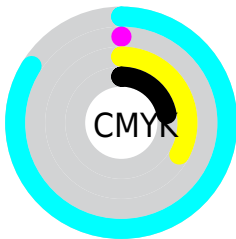
Distribution



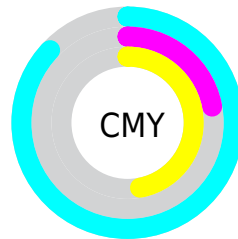
- Red (13%)
- Green (78%)
- Blue (53%)



- Red (13%)
- Yellow (53%)
- Blue (78%)



- Cyan (84%)
- Magenta (0%)
- Yellow (33%)
- Black (22%)




- Cyan (87%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8752, 0.2592, 0.4389 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 42.8752, 0.2592, 0.4389 by changing the saturation by 10% instead.

 42.8752, 0.2592,
0.4389


 42.8752, 0.2592,
0.4389


358.0983, 0.2880,
0.3795


 29.7872, 0.2513,
0.4552


 79.5225, 0.2702,
0.4162

 19.6771, 0.2408,
0.4770


 103.8506, 0.2741,
0.4081

 12.1606, 0.2261,
0.5076


 132.6942, 0.2774,
0.4013

 6.8531, 0.2043,
0.5532

 166.4377, 0.2802,
0.3956

 3.3704, 0.1694,
0.6267

 205.4654, 0.2826,
0.3907

 1.3280, 0.0000,
1.0000

250.1618, 0.2846,


 0.1628, 0.0000,

0.3865


1.0000


300.9113, 0.2864,
0.3828

 0.0000, 0.0000,
0.0000

 42.8752, 0.2592,
0.4389

 42.8752, 0.2592,
0.4389


 42.4407, 0.2604,
0.4538

 43.5210, 0.2600,
0.4238

 42.2434, 0.2618,
0.4626

 44.4035, 0.2627,
0.4087

 45.5497, 0.2673,
0.3939

 46.9815, 0.2736,
0.3798

 48.7184, 0.2812,
0.3665

■ 50.7783, 0.2898,
0.3542

■ 53.1775, 0.2991,
0.3429

■ 55.9313, 0.3088,
0.3327

■ 59.0540, 0.3188,
0.3236

Harmonies

Analogous

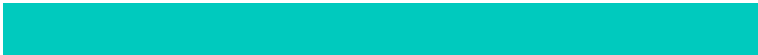
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.8752, 0.3380, 0.4855



42.8752, 0.2592, 0.4389



42.8752, 0.1994, 0.3483

Triad

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



42.8752, 0.2592, 0.4389



42.8752, 0.2069, 0.2026



42.8752, 0.4784, 0.3559

Complementary

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



42.8752, 0.2592, 0.4389



14.0367, 0.4958, 0.2654

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.



42.8752, 0.4351, 0.2968



42.8752, 0.2592, 0.4389



42.8752, 0.2689, 0.2133

Square

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



42.8752, 0.2592, 0.4389



42.8752, 0.1743, 0.2185



42.8752, 0.3535, 0.2466



42.8752, 0.4677, 0.4170

Rectangle

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



42.8752, 0.2592, 0.4389



42.8752, 0.1770, 0.2905



42.8752, 0.3535, 0.2466



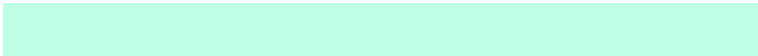
42.8752, 0.4699, 0.3356

Sweetspot

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



42.8769, 0.2592, 0.4389



88.3526, 0.2885, 0.3559



43.5938, 0.3316, 0.5602



18.6280, 0.2854, 0.3602



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.



42.8769, 0.2592, 0.4389



73.9119, 0.2624, 0.4647



38.0098, 0.2205, 0.3026



11.9949, 0.3035, 0.3381



27.1794, 0.2613, 0.4606



1.3008, 0.2528, 0.4299

Inverse Universe

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



14.0367, 0.4958, 0.2654



22.1656, 0.5471, 0.2787



14.4160, 0.5907, 0.3420



10.7042, 0.3230, 0.3200



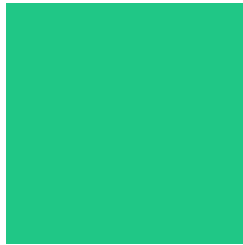
8.1724, 0.5399, 0.2748



0.4011, 0.4840, 0.2440

Previews

White Background



This preview shows how the Yxy color 42.8752, 0.2592, 0.4389 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 42.8752, 0.2592, 0.4389 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 42.8752, 0.2592, 0.4389

Background



This preview shows how black text looks on a background with the Yxy color 42.8752, 0.2592, 0.4389.



This preview shows how white text looks on a background with the Yxy color 42.8752, 0.2592, 0.4389.

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

42.8752, 0.2592, 0.4389

Protanopia

41.8820, 0.3692, 0.3964

Deuteranopia

41.9780, 0.3690, 0.3627



Tritanopia

42.6905, 0.2317, 0.3066

Trichromacy



Original Color

42.8752, 0.2592, 0.4389



Protanomaly

39.8135, 0.3119, 0.4151



Deuteranomaly

39.6506, 0.3115, 0.3918



Tritanomaly

42.3244, 0.2405, 0.3509

Monochromacy



Original Color

42.8752, 0.2592, 0.4389



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.8832, 0.2790, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8752, 0.2592, 0.4389 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(32, 199, 134)` looks like.

```
.text, #text, p{  
    color:rgb(32, 199, 134)  
}
```

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(32, 199, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 199, 134) }
```

Border

The CSS property to change the border of an element to Yxy 42.8752, 0.2592, 0.4389 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(32, 199, 134) }
```

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

```
.border{ border-color:rgb(32, 199, 134) }
```

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

Here you see how a box with a 4 pixel rgb(32, 199, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 199, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 199, 134);  
box-shadow:4px 4px 4px 4px rgb(32, 199,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8752, 0.2592, 0.4389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 199, 134) }
```

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

```
.background{ background-color: rgb(32, 199,  
134) }
```

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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