

Converting Colors

$Yxy(52.4634, 0.2557, 0.4386)$

Have a look what the booklet for
Yxy(52.4634, 0.2557, 0.4386)
contains.

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Color

Yxy(52.3325, 0.2557, 0.4384)

Conversions

Conversions Part 1

Format	Color
Hex	09DA94
RGB	9, 218, 148
RGB Percent	4%, 85%, 58%
CMY	0.9662, 0.1451, 0.4195
CMYK	0.96, 0.00, 0.32, 0.15
HSL	160°, 92%, 44%
HSV	160°, 96%, 85%
XYZ	30.5233, 52.3325, 36.5158
YIQ	147.5290, -102.0940, -66.0780

Conversions

Conversions Part 2

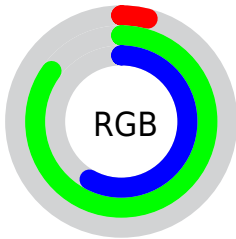
Format	Color
RYB	9, 135, 218
Decimal	645780
CIELab	77.48, -60.53, 22.22
CIELCh	77, 64.476, 159.844
Yxy	52.3325, 0.2557, 0.4384
Android (android.graphics.Color)	4278835860 (0xFF09DA94)
YUV	147.5290, 0.2322, -121.4899
Hunter-Lab	72.3412, -51.2816, 20.7110

Details

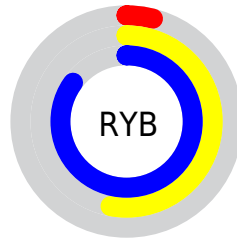
The Yxy color **52.3325, 0.2557, 0.4384** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.6504, 0.5549, 0.2856**, and the grayscale version is **29.3881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9101, 0.2628, 0.3951**, and **26.7037, 0.2625, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **52.1889, 0.2565, 0.4434**, and if you desaturate by 10%, it is **52.7994, 0.2545, 0.4257**.

Distribution



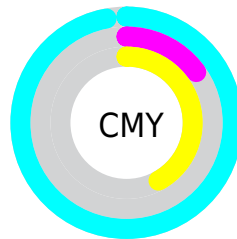
- Red (4%)
- Green (85%)
- Blue (58%)



- Red (4%)
- Yellow (53%)
- Blue (85%)



- Cyan (96%)
- Magenta (0%)
- Yellow (32%)
- Black (15%)





- Cyan (97%)
- Magenta (15%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3325, 0.2557, 0.4384 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 52.3325, 0.2557, 0.4384 by changing the saturation by 10% instead.


 52.3325, 0.2557,
0.4384


 52.3325, 0.2557,
0.4384


395.7189, 0.2853,
0.3811

 37.2702, 0.2480,
0.4534


 93.6214, 0.2667,
0.4170


 25.4167, 0.2380,
0.4731


 120.6168, 0.2707,
0.4092


 16.3878, 0.2245,
0.5000


 152.3587, 0.2741,
0.4026

 9.7990, 0.2052,
0.5384

 189.2314, 0.2770,
0.3970

 5.2659, 0.1762,
0.5973

 231.6194, 0.2795,
0.3922

 2.4041, 0.1089,
0.7243

279.9070, 0.2817,

 0.8280, 0.0000,

0.3880

1.0000

334.4787, 0.2836,
0.3844

■ 0.0000, 0.0000,
0.0000

■ 52.3325, 0.2557,
0.4384

■ 52.3325, 0.2557,
0.4384

■ 52.1889, 0.2565,
0.4434

■ 52.7994, 0.2545,
0.4257

■ 53.5058, 0.2551,
0.4128

■ 54.4943, 0.2579,
0.3999

■ 55.7978, 0.2625,
0.3873

■ 57.4444, 0.2690,
0.3751

■ 59.4589, 0.2768,
0.3636

■ 61.8640, 0.2859,
0.3528

■ 64.6803, 0.2958,
0.3430

■ 67.9270, 0.3062,
0.3340

Harmonies

Analogous

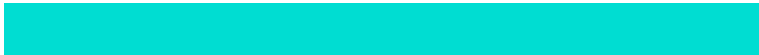
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.3325, 0.3353, 0.4880



52.3325, 0.2557, 0.4384



52.3325, 0.1962, 0.3453

Triad

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



52.3325, 0.2557, 0.4384



52.3325, 0.2069, 0.2008



52.3325, 0.4817, 0.3580

Complementary

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



52.3325, 0.2557, 0.4384



15.6504, 0.5549, 0.2856

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.



52.3325, 0.4395, 0.2981



52.3325, 0.2557, 0.4384



52.3325, 0.2707, 0.2125

Square

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



52.3325, 0.2557, 0.4384



52.3325, 0.1730, 0.2157



52.3325, 0.3571, 0.2469



52.3325, 0.4688, 0.4199

Rectangle

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



52.3325, 0.2557, 0.4384



52.3325, 0.1742, 0.2870



52.3325, 0.3571, 0.2469



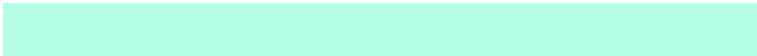
52.3325, 0.4737, 0.3375

Sweetspot

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



52.3346, 0.2557, 0.4384



87.0790, 0.2829, 0.3562



51.9485, 0.3201, 0.5817



18.3245, 0.2790, 0.3608



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.



52.3346, 0.2557, 0.4384



74.4138, 0.2568, 0.4445



40.4836, 0.2122, 0.2822



14.7517, 0.3026, 0.3369



31.2889, 0.2560, 0.4415



2.0428, 0.2502, 0.4209

Inverse Universe

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



15.6504, 0.5549, 0.2856



21.9195, 0.5687, 0.2906



16.4428, 0.6189, 0.3424



13.1230, 0.3239, 0.3212



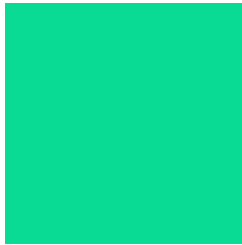
9.2349, 0.5626, 0.2873



0.6140, 0.5165, 0.2619

Previews

White Background



This preview shows how the Yxy color 52.3325, 0.2557, 0.4384 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 52.3325, 0.2557, 0.4384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

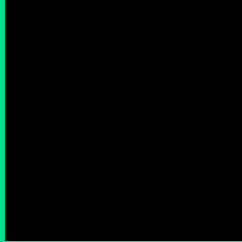
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.3325, 0.2557, 0.4384

Background



This preview shows how black text looks on a background with the Yxy color 52.3325, 0.2557, 0.4384.



This preview shows how white text looks on a background with the Yxy color 52.3325, 0.2557, 0.4384.

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

52.3390, 0.2557, 0.4384

Protanopia

51.4136, 0.3684, 0.3972

Deuteranopia

51.0718, 0.3682, 0.3600



Tritanopia

52.0438, 0.2293, 0.3056

Trichromacy



Original Color

52.3390, 0.2557, 0.4384



Protanomaly

48.1885, 0.3035, 0.4172



Deuteranomaly

47.1698, 0.3022, 0.3896



Tritanomaly

51.8220, 0.2367, 0.3506

Monochromacy



Original Color

52.3390, 0.2557, 0.4384



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

34.5351, 0.2714, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3325, 0.2557, 0.4384 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(9, 218, 148)` looks like.

```
.text, #text, p{  
  color:rgb(9, 218, 148)  
}
```

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(9, 218, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 218, 148) }
```

Border

The CSS property to change the border of an element to Yxy 52.3325, 0.2557, 0.4384 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(9, 218, 148) }
```

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

```
.border{ border-color:rgb(9, 218, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 218, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 218, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 218, 148);  
box-shadow:4px 4px 4px 4px rgb(9, 218,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3325, 0.2557, 0.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 218, 148) }
```

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

```
.background{ background-color: rgb(9, 218,  
148) }
```

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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