

Converting Colors

$Yxy(25.0634, 0.2546, 0.3878)$

Have a look what the booklet for
Yxy(25.0634, 0.2546, 0.3878)
contains.

Yxy(24.9415, 0.2548, 0.3876)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9415, 0.2548, 0.3876)

Conversions

Conversions Part 1

Format	Color
Hex	33997C
RGB	51, 153, 124
RGB Percent	20%, 60%, 49%
CMY	0.7997, 0.4000, 0.5138
CMYK	0.67, 0.00, 0.19, 0.40
HSL	163°, 50%, 40%
HSV	163°, 67%, 60%
XYZ	16.3960, 24.9415, 23.0110
YIQ	119.1960, -51.4830, -30.6430

Conversions

Conversions Part 2

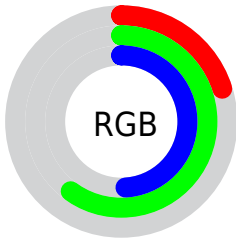
Format	Color
R _Y B	51, 110, 153
Decimal	3381628
CIE Lab	57.02, -36.40, 6.76
CIE LCh	57, 37.021, 169.473
Yxy	24.9415, 0.2548, 0.3876
Android (android.graphics.Color)	4281571708 (0xFF33997C)
YUV	119.1960, 2.3684, -59.8079
Hunter-Lab	49.9415, -28.7952, 7.6405

Details

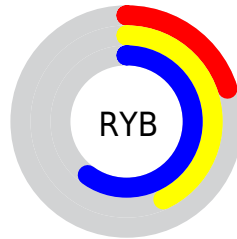
The Yxy color **24.9415, 0.2548, 0.3876** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.7269, 0.4619, 0.2848**, and the grayscale version is **18.5238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6011, 0.2673, 0.3736**, and **9.8154, 0.2470, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **24.5000, 0.2515, 0.3981**, and if you desaturate by 10%, it is **25.5207, 0.2599, 0.3773**.

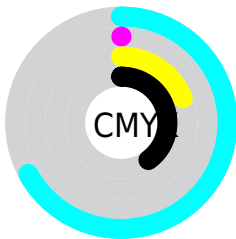
Distribution



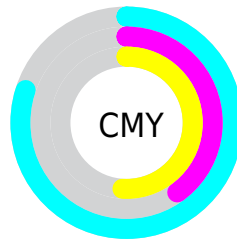
- Red (20%)
- Green (60%)
- Blue (49%)



- Red (20%)
- Yellow (43%)
- Blue (60%)



- Cyan (67%)
- Magenta (0%)
- Yellow (19%)
- Black (40%)





- Cyan (80%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9415, 0.2548, 0.3876 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 24.9415, 0.2548, 0.3876 by changing the saturation by 10% instead.


 24.9415, 0.2548,
0.3876


 24.9415, 0.2548,
0.3876


277.5465, 0.2871,
0.3543


 16.0335, 0.2454,
0.3976


 51.5623, 0.2674,
0.3744


 9.5478, 0.2325,
0.4116


 70.0439, 0.2719,
0.3698


 5.1002, 0.2135,
0.4328

 92.4854, 0.2756,
0.3660

 2.3062, 0.1834,
0.4680

 119.2713, 0.2786,
0.3629

 0.7770, 0.0000,
0.6756

 150.7860, 0.2812,
0.3602

 0.0000, 0.0000,
0.0000

187.4138, 0.2835,

0.3580

229.5392, 0.2854,
0.3560

■ 24.9415, 0.2548,
0.3876

■ 24.9415, 0.2548,
0.3876

■ 24.5000, 0.2515,
0.3981

■ 25.5207, 0.2599,
0.3773

■ 24.1797, 0.2501,
0.4087

■ 26.2462, 0.2667,
0.3674

■ 23.9612, 0.2505,
0.4192

■ 27.1295, 0.2749,
0.3580

■ 23.8956, 0.2508,
0.4227

■ 28.1799, 0.2843,
0.3491

■ 29.4061, 0.2945,
0.3410

■ 30.8162, 0.3053,
0.3335

■ 32.4176, 0.3165,
0.3268

■ 34.2176, 0.3278,
0.3208

■ 36.2229, 0.3391,
0.3154

Harmonies

Analogous

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



24.9415, 0.3128, 0.4359



24.9415, 0.2548, 0.3876



24.9415, 0.2148, 0.3216

Triad

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



24.9415, 0.2548, 0.3876



24.9415, 0.2460, 0.2307



24.9415, 0.4398, 0.3710

Complementary

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



24.9415, 0.2548, 0.3876



9.7269, 0.4619, 0.2848

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.



24.9415, 0.4201, 0.3224



24.9415, 0.2548, 0.3876



24.9415, 0.3020, 0.2458

Square

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



24.9415, 0.2548, 0.3876



24.9415, 0.2109, 0.2368



24.9415, 0.3673, 0.2783



24.9415, 0.4214, 0.4159

Rectangle

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



24.9415, 0.2548, 0.3876



24.9415, 0.2021, 0.2829



24.9415, 0.3673, 0.2783



24.9415, 0.4376, 0.3548

Sweetspot

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



24.9425, 0.2548, 0.3876



51.7965, 0.2906, 0.3440



24.8000, 0.3261, 0.5237



11.3128, 0.2879, 0.3461



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.9425, 0.2548, 0.3876



43.5671, 0.2506, 0.4034



19.6751, 0.2264, 0.2883



6.9965, 0.3025, 0.3354



19.7556, 0.2506, 0.4220



0.3015, 0.2377, 0.3758

Inverse Universe

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



9.7269, 0.4619, 0.2848



14.2885, 0.5162, 0.2846



11.5769, 0.4986, 0.3604



6.2502, 0.3241, 0.3227



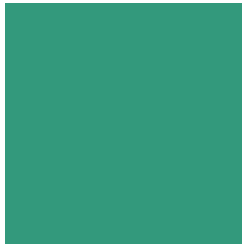
5.7499, 0.5761, 0.2947



0.0916, 0.4718, 0.2373

Previews

White Background



This preview shows how the Yxy color 24.9415, 0.2548, 0.3876 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9415, 0.2548, 0.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

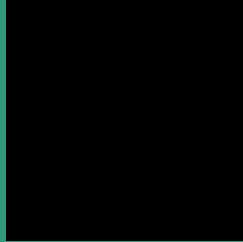
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9415, 0.2548, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 24.9415, 0.2548, 0.3876.



This preview shows how white text looks on a background with the Yxy color 24.9415, 0.2548, 0.3876.

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

24.9415, 0.2548, 0.3876

Protanopia

24.6858, 0.3432, 0.3648

Deuteranopia

24.4930, 0.3396, 0.3323



Tritanopia

24.8761, 0.2365, 0.3067

Trichromacy



Original Color

24.9415, 0.2548, 0.3876

Protanomaly

23.9690, 0.3023, 0.3740

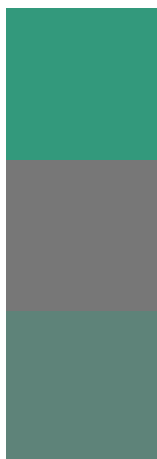
Deuteranomaly

23.6424, 0.2989, 0.3510

Tritanomaly

24.9114, 0.2430, 0.3345

Monochromacy



Original Color

24.9415, 0.2548, 0.3876

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.9928, 0.2826, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9415, 0.2548, 0.3876 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(51, 153, 124)` looks like.

```
.text, #text, p{  
    color:rgb(51, 153, 124)  
}
```

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(51, 153, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 153, 124) }
```

Border

The CSS property to change the border of an element to Yxy 24.9415, 0.2548, 0.3876 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(51, 153, 124) }
```

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

```
.border{ border-color:rgb(51, 153, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 153, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 153, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 153, 124);  
box-shadow:4px 4px 4px 4px rgb(51, 153,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9415, 0.2548, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 153, 124) }
```

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

```
.background{ background-color: rgb(51, 153,  
124) }
```

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