

Converting Colors

$Yxy(22.5188, 0.2245, 0.4634)$

Have a look what the booklet for
Yxy(22.5188, 0.2245, 0.4634)
contains.

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Color

Yxy(23.9743, 0.2592, 0.4532)

Conversions

Conversions Part 1

Format	Color
Hex	009A61
RGB	0, 154, 97
RGB Percent	0%, 60%, 38%
CMY	1.0000, 0.3961, 0.6196
CMYK	1.00, 0.00, 0.37, 0.40
HSL	158°, 100%, 30%
HSV	158°, 100%, 60%
XYZ	13.7117, 23.9743, 15.2141
YIQ	101.4560, -73.4870, -50.3750

Conversions

Conversions Part 2

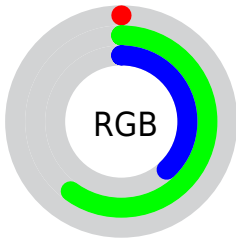
Format	Color
RYB	0, 94, 154
Decimal	39521
CIELab	56.06, -48.38, 20.46
CIELCh	56, 52.529, 157.074
Yxy	23.9743, 0.2592, 0.4532
Android (android.graphics.Color)	4278229601 (0xFF009A61)
YUV	101.4560, -2.1968, -88.9769
Hunter-Lab	48.9636, -35.6993, 15.8518

Details

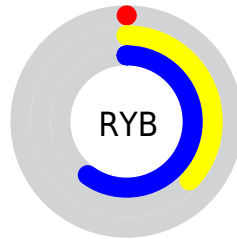
The Yxy color **23.9743, 0.2592, 0.4532** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.1661, 0.5464, 0.2783**, and the grayscale version is **13.1590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7653, 0.2724, 0.4226**, and **9.5377, 0.2703, 0.4929** is the 20% darker color. If you saturate the color by 10%, you get **23.9763, 0.2592, 0.4532**, and if you desaturate by 10%, it is **24.1915, 0.2578, 0.4394**.

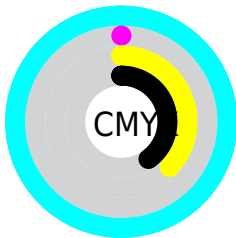
Distribution



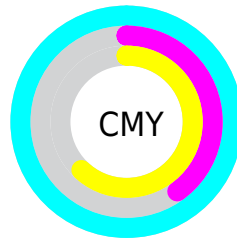
- Red (0%)
- Green (60%)
- Blue (38%)



- Red (0%)
- Yellow (37%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9743, 0.2592, 0.4532 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 23.9743, 0.2592, 0.4532 by changing the saturation by 10% instead.


 23.9743, 0.2592,
0.4532


 23.9743, 0.2592,
0.4532


272.6905, 0.2910,
0.3798


 15.3146, 0.2490,
0.4765


 49.9883, 0.2723,
0.4232


 9.0404, 0.2341,
0.5103


 68.1113, 0.2767,
0.4130

 4.7676, 0.2107,
0.5626

 90.1575, 0.2803,
0.4047

 2.1115, 0.1628,
0.6754

 116.5113, 0.2832,
0.3980

 0.6711, 0.0000,
1.0000

 147.5571, 0.2857,
0.3923

 0.0000, 0.0000,
0.0000

 183.6793, 0.2877,

0.3875

225.2623, 0.2895,
0.3834

■ 23.9743, 0.2592,
0.4532

■ 23.9743, 0.2592,
0.4532

■ 23.9763, 0.2592,
0.4532

■ 24.1915, 0.2578,
0.4394

■ 24.4927, 0.2578,
0.4254

■ 24.9160, 0.2597,
0.4113

■ 25.4758, 0.2636,
0.3974

■ 26.1847, 0.2691,
0.3840

■ 27.0536, 0.2761,
0.3712

■ 28.0925, 0.2842,
0.3592

■ 29.3105, 0.2932,
0.3482

■ 30.7161, 0.3028,
0.3381

Harmonies

Analogous

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



23.9743, 0.3433, 0.4987



23.9743, 0.2592, 0.4532



23.9743, 0.1945, 0.3552

Triad

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



23.9743, 0.2592, 0.4532



23.9743, 0.1973, 0.1951



23.9743, 0.4893, 0.3521

Complementary

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



23.9743, 0.2592, 0.4532



7.1661, 0.5464, 0.2783

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.



23.9743, 0.4399, 0.2906



23.9743, 0.2592, 0.4532



23.9743, 0.2608, 0.2051

Square

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



23.9743, 0.2592, 0.4532



23.9743, 0.1650, 0.2130



23.9743, 0.3504, 0.2388



23.9743, 0.4798, 0.4169

Rectangle

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



23.9743, 0.2592, 0.4532



23.9743, 0.1699, 0.2917



23.9743, 0.3504, 0.2388



23.9743, 0.4792, 0.3310

Sweetspot

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



23.9763, 0.2592, 0.4532



50.9054, 0.2837, 0.3599



24.0441, 0.3232, 0.5816



11.3475, 0.2804, 0.3645



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.9763, 0.2592, 0.4532



43.5127, 0.2600, 0.4558



19.9525, 0.2145, 0.2923



6.9877, 0.3036, 0.3374



19.5395, 0.2589, 0.4521



0.2991, 0.2423, 0.3923

Inverse Universe

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



7.1661, 0.5464, 0.2783



12.9820, 0.5513, 0.2811



7.3022, 0.6287, 0.3390



6.2586, 0.3228, 0.3208



5.8443, 0.5443, 0.2772



0.0940, 0.4418, 0.2207

Previews

White Background



This preview shows how the Yxy color 23.9743, 0.2592, 0.4532 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 23.9743, 0.2592, 0.4532 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 23.9743, 0.2592, 0.4532

Background



This preview shows how black text looks on a background with the Yxy color 23.9743, 0.2592, 0.4532.



This preview shows how white text looks on a background with the Yxy color 23.9743, 0.2592, 0.4532.

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

23.9743, 0.2592, 0.4532

Protanopia

23.7912, 0.3750, 0.4054

Deuteranopia

23.5857, 0.3775, 0.3698



Tritanopia

24.1483, 0.2320, 0.3081

Trichromacy



Original Color

23.9743, 0.2592, 0.4532



Protanomaly

22.0978, 0.3080, 0.4289



Deuteranomaly

21.5402, 0.3083, 0.4012



Tritanomaly

23.9476, 0.2392, 0.3571

Monochromacy



Original Color

23.9743, 0.2592, 0.4532



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

15.4430, 0.2713, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9743, 0.2592, 0.4532 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(0, 154, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 97)  
}
```

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(0, 154, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 97) }
```

Border

The CSS property to change the border of an element to Yxy 23.9743, 0.2592, 0.4532 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(0, 154, 97) }
```

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

```
.border{ border-color:rgb(0, 154, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 154, 97)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.9743, 0.2592, 0.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 97) }
```

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

```
.background{ background-color: rgb(0, 154,  
97) }
```

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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