

Converting Colors

$Yxy(23.3268, 0.2711, 0.4959)$

Have a look what the booklet for
Yxy(23.3268, 0.2711, 0.4959)
contains.

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Color

Yxy(23.3325, 0.2708, 0.4950)

Conversions

Conversions Part 1

Format	Color
Hex	00994E
RGB	0, 153, 78
RGB Percent	0%, 60%, 31%
CMY	1.0000, 0.4000, 0.6941
CMYK	1.00, 0.00, 0.49, 0.40
HSL	151°, 100%, 30%
HSV	151°, 100%, 60%
XYZ	12.7645, 23.3325, 11.0393
YIQ	98.7030, -67.1130, -55.7610

Conversions

Conversions Part 2

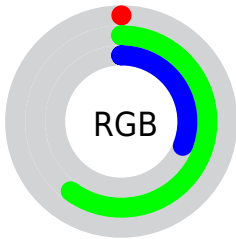
Format	Color
RYB	0, 101, 153
Decimal	39246
CIELab	55.41, -51.77, 29.87
CIELCh	55, 59.763, 150.016
Yxy	23.3325, 0.2708, 0.4950
Android (android.graphics.Color)	4278229326 (0xFF00994E)
YUV	98.7030, -10.2066, -86.5625
Hunter-Lab	48.3037, -37.3619, 20.2625

Details

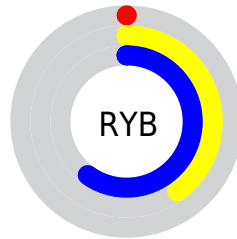
The Yxy color **23.3325, 0.2708, 0.4950** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.2810, 0.4970, 0.2511**, and the grayscale version is **12.4387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1857, 0.2833, 0.4549**, and **9.2133, 0.2853, 0.5471** is the 20% darker color. If you saturate the color by 10%, you get **23.3348, 0.2708, 0.4950**, and if you desaturate by 10%, it is **23.5527, 0.2685, 0.4772**.

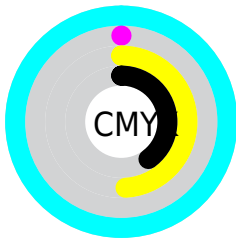
Distribution



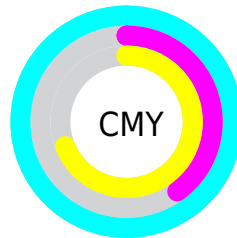
- Red (0%)
- Green (60%)
- Blue (31%)



- Red (0%)
- Yellow (40%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3325, 0.2708, 0.4950 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 23.3325, 0.2708, 0.4950 by changing the saturation by 10% instead.


 23.3325, 0.2708,
0.4950


 23.3325, 0.2708,
0.4950


269.4282, 0.2981,
0.3955

 14.8392, 0.2607,
0.5270


 48.9387, 0.2828,
0.4540


 8.7066, 0.2452,
0.5730


 66.8204, 0.2866,
0.4401


 4.5503, 0.2188,
0.6433

 88.6004, 0.2896,
0.4290

 1.9859, 0.1528,
0.8472

 114.6631, 0.2920,
0.4199

 0.5993, 0.0000,
1.0000

 145.3928, 0.2940,
0.4123

 0.0000, 0.0000,
0.0000

 181.1740, 0.2956,

0.4058

222.3910, 0.2969,
0.4003

■ 23.3325, 0.2708,
0.4950

■ 23.3325, 0.2708,
0.4950

■ 23.3348, 0.2708,
0.4950

■ 23.5527, 0.2685,
0.4772

■ 23.8602, 0.2677,
0.4588

■ 24.2931, 0.2687,
0.4399

■ 24.8660, 0.2716,
0.4211

■ 25.5913, 0.2761,
0.4029

■ 26.4801, 0.2819,
0.3856

■ 27.5422, 0.2888,
0.3694

■ 28.7870, 0.2964,
0.3546

■ 30.2228, 0.3044,
0.3411

Harmonies

Analogous

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



23.3325, 0.3659, 0.5231



23.3325, 0.2708, 0.4950



23.3325, 0.1923, 0.3866

Triad

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



23.3325, 0.2708, 0.4950



23.3325, 0.1722, 0.1812



23.3325, 0.5071, 0.3347

Complementary

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



23.3325, 0.2708, 0.4950



7.2810, 0.4970, 0.2511

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.



23.3325, 0.4366, 0.2698



23.3325, 0.2708, 0.4950



23.3325, 0.2335, 0.1861

Square

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



23.3325, 0.2708, 0.4950



23.3325, 0.1452, 0.2075



23.3325, 0.3291, 0.2172



23.3325, 0.5087, 0.4054

Rectangle

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



23.3325, 0.2708, 0.4950



23.3325, 0.1600, 0.3081



23.3325, 0.3291, 0.2172



23.3325, 0.4906, 0.3122

Sweetspot

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



23.3348, 0.2708, 0.4950



49.1987, 0.2884, 0.3704



24.3418, 0.3376, 0.5702



10.6951, 0.2857, 0.3765



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.



23.3348, 0.2708, 0.4950



41.7484, 0.2717, 0.4982



25.0847, 0.2247, 0.3287



6.9755, 0.3051, 0.3401



19.2907, 0.2705, 0.4937



0.2957, 0.2496, 0.4186

Inverse Universe

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



7.2810, 0.4970, 0.2511



13.0008, 0.5012, 0.2535



6.7729, 0.6401, 0.3300



6.2706, 0.3211, 0.3181



6.0237, 0.4954, 0.2502



0.0974, 0.4079, 0.2021

Previews

White Background



This preview shows how the Yxy color 23.3325, 0.2708, 0.4950 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 23.3325, 0.2708, 0.4950 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 23.3325, 0.2708, 0.4950

Background



This preview shows how black text looks on a background with the Yxy color 23.3325, 0.2708, 0.4950.



This preview shows how white text looks on a background with the Yxy color 23.3325, 0.2708, 0.4950.

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

23.3325, 0.2708, 0.4950

Protanopia

22.9772, 0.3950, 0.4309

Deuteranopia

22.9485, 0.4025, 0.3947



Tritanopia

23.2464, 0.2332, 0.3060

Trichromacy



Original Color

23.3325, 0.2708, 0.4950



Protanomaly

21.5259, 0.3239, 0.4640



Deuteranomaly

20.9842, 0.3277, 0.4382



Tritanomaly

22.8193, 0.2437, 0.3684

Monochromacy



Original Color

23.3325, 0.2708, 0.4950



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

15.0057, 0.2789, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3325, 0.2708, 0.4950 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, 153, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 78)  
}
```

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, 153, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 78) }
```

Border

The CSS property to change the border of an element to Yxy 23.3325, 0.2708, 0.4950 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, 153, 78) }
```

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

```
.border{ border-color:rgb(0, 153, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.3325, 0.2708, 0.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 78) }
```

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

```
.background{ background-color: rgb(0, 153,  
78) }
```

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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