

Converting Colors

$Y_{xy}(23.3131, 0.2717, 0.4980)$

Have a look what the booklet for
Yxy(23.3131, 0.2717, 0.4980)
contains.

Yxy(23.3183, 0.2714, 0.4972)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.3183, 0.2714, 0.4972)

Conversions

Conversions Part 1

Format	Color
Hex	00994D
RGB	0, 153, 77
RGB Percent	0%, 60%, 30%
CMY	1.0000, 0.4000, 0.6980
CMYK	1.00, 0.00, 0.50, 0.40
HSL	150°, 100%, 30%
HSV	150°, 100%, 60%
XYZ	12.7285, 23.3183, 10.8525
YIQ	98.5890, -66.7920, -56.0720

Conversions

Conversions Part 2

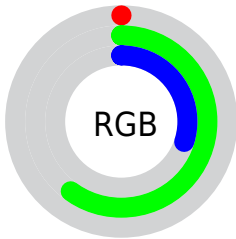
Format	Color
RYB	0, 102, 153
Decimal	39245
CIELab	55.40, -51.94, 30.37
CIELCh	55, 60.171, 149.685
Yxy	23.3183, 0.2714, 0.4972
Android (android.graphics.Color)	4278229325 (0xFF00994D)
YUV	98.5890, -10.6434, -86.4626
Hunter-Lab	48.2890, -37.4552, 20.4775

Details

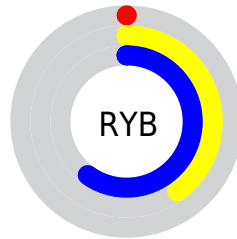
The Yxy color **23.3183, 0.2714, 0.4972** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.2948, 0.4942, 0.2496**, and the grayscale version is **12.4099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1595, 0.2838, 0.4565**, and **9.2081, 0.2860, 0.5496** is the 20% darker color. If you saturate the color by 10%, you get **23.3210, 0.2714, 0.4972**, and if you desaturate by 10%, it is **23.5388, 0.2691, 0.4792**.

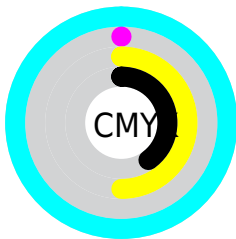
Distribution



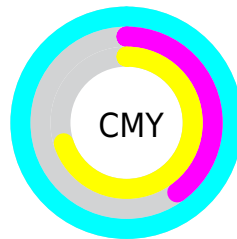
- Red (0%)
- Green (60%)
- Blue (30%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3183, 0.2714, 0.4972 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 23.3183, 0.2714, 0.4972 by changing the saturation by 10% instead.


 23.3183, 0.2714,
0.4972


 23.3183, 0.2714,
0.4972


269.3557, 0.2985,
0.3964


 14.8287, 0.2613,
0.5296


 48.9154, 0.2834,
0.4556


 8.6993, 0.2457,
0.5762

 66.7918, 0.2872,
0.4416

 4.5455, 0.2192,
0.6472

 88.5659, 0.2901,
0.4303

 1.9832, 0.1508,
0.8492

 114.6220, 0.2925,
0.4211

 0.5977, 0.0000,
1.0000

 145.3447, 0.2944,
0.4134

 0.0000, 0.0000,
0.0000

 181.1183, 0.2960,

0.4068

222.3271, 0.2973,
0.4012

■ 23.3183, 0.2714,
0.4972

■ 23.3183, 0.2714,
0.4972

■ 23.3210, 0.2714,
0.4972

■ 23.5388, 0.2691,
0.4792

■ 23.8465, 0.2682,
0.4606

■ 24.2800, 0.2692,
0.4415

■ 24.8537, 0.2720,
0.4224

■ 25.5802, 0.2765,
0.4039

■ 26.4706, 0.2823,
0.3864

■ 27.5347, 0.2891,
0.3700

■ 28.7817, 0.2966,
0.3549

■ 30.2203, 0.3045,
0.3413

Harmonies

Analogous

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



23.3183, 0.3671, 0.5242



23.3183, 0.2714, 0.4972



23.3183, 0.1922, 0.3884

Triad

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



23.3183, 0.2714, 0.4972



23.3183, 0.1710, 0.1805



23.3183, 0.5080, 0.3338

Complementary

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



23.3183, 0.2714, 0.4972



7.2948, 0.4942, 0.2496

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.



23.3183, 0.4364, 0.2687



23.3183, 0.2714, 0.4972



23.3183, 0.2321, 0.1851

Square

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



23.3183, 0.2714, 0.4972



23.3183, 0.1442, 0.2072



23.3183, 0.3279, 0.2161



23.3183, 0.5102, 0.4047

Rectangle

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



23.3183, 0.2714, 0.4972



23.3183, 0.1595, 0.3090



23.3183, 0.3279, 0.2161



23.3183, 0.4912, 0.3113

Sweetspot

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



23.3210, 0.2714, 0.4972



49.1841, 0.2886, 0.3709



24.3422, 0.3376, 0.5702



10.6916, 0.2859, 0.3771



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.



23.3210, 0.2714, 0.4972



41.7230, 0.2724, 0.5005



25.0852, 0.2247, 0.3287



6.9749, 0.3052, 0.3403



19.2790, 0.2711, 0.4959



0.2956, 0.2500, 0.4201

Inverse Universe

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



7.2948, 0.4942, 0.2496



13.0253, 0.4984, 0.2519



6.7731, 0.6401, 0.3300



6.2713, 0.3210, 0.3180



6.0351, 0.4927, 0.2488



0.0976, 0.4063, 0.2012

Previews

White Background



This preview shows how the Yxy color 23.3183, 0.2714, 0.4972 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 23.3183, 0.2714, 0.4972 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 23.3183, 0.2714, 0.4972

Background



This preview shows how black text looks on a background with the Yxy color 23.3183, 0.2714, 0.4972.



This preview shows how white text looks on a background with the Yxy color 23.3183, 0.2714, 0.4972.

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

23.3183, 0.2714, 0.4972

Protanopia

22.9645, 0.3960, 0.4323

Deuteranopia

22.9327, 0.4036, 0.3962



Tritanopia

23.2464, 0.2332, 0.3060

Trichromacy



Original Color

23.3183, 0.2714, 0.4972



Protanomaly

21.5125, 0.3247, 0.4659



Deuteranomaly

20.9691, 0.3287, 0.4402



Tritanomaly

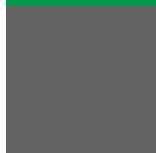
22.7931, 0.2443, 0.3706

Monochromacy



Original Color

23.3183, 0.2714, 0.4972



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 23.3183, 0.2714, 0.4972 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 77) }
```

Border

The CSS property to change the border of an element to Yxy 23.3183, 0.2714, 0.4972 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, 77) }
```

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

```
.border{ border-color:rgb(0, 153, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 77)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.3183, 0.2714, 0.4972 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, 77) }
```

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

```
.background{ background-color: rgb(0, 153,  
77) }
```

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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