

Converting Colors

$Y_{xy}(23.5111, 0.2637, 0.4692)$

Have a look what the booklet for
Yxy(23.5111, 0.2637, 0.4692)
contains.

Yxy(23.5037, 0.2639, 0.4702)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(23.5037, 0.2639, 0.4702)$

Conversions

Conversions Part 1

Format	Color
Hex	009959
RGB	0, 153, 89
RGB Percent	0%, 60%, 35%
CMY	1.0000, 0.4000, 0.6510
CMYK	1.00, 0.00, 0.42, 0.40
HSL	155°, 100%, 30%
HSV	155°, 100%, 60%
XYZ	13.1915, 23.5037, 13.2914
YIQ	99.9570, -70.6440, -52.3400

Conversions

Conversions Part 2

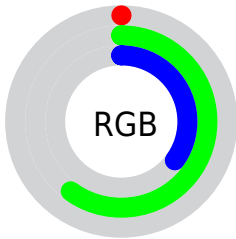
Format	Color
RYB	0, 97, 153
Decimal	39257
CIELab	55.59, -49.69, 24.21
CIELCh	56, 55.278, 154.021
Yxy	23.5037, 0.2639, 0.4702
Android (android.graphics.Color)	4278229337 (0xFF009959)
YUV	99.9570, -5.4018, -87.6623
Hunter-Lab	48.4806, -36.2716, 17.6815

Details

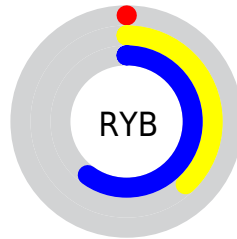
The Yxy color **23.5037, 0.2639, 0.4702** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.1434, 0.5268, 0.2676**, and the grayscale version is **12.7611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9836, 0.2761, 0.4345**, and **9.2815, 0.2768, 0.5163** is the 20% darker color. If you saturate the color by 10%, you get **23.5065, 0.2639, 0.4702**, and if you desaturate by 10%, it is **23.7229, 0.2621, 0.4546**.

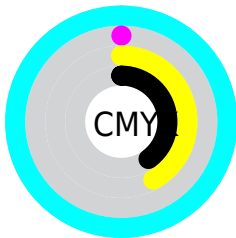
Distribution



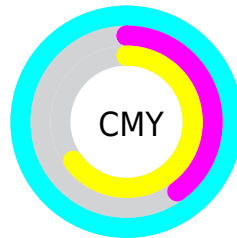
- Red (0%)
- Green (60%)
- Blue (35%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5037, 0.2639, 0.4702 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 23.5037, 0.2639, 0.4702 by changing the saturation by 10% instead.


 23.5037, 0.2639,
0.4702


 23.5037, 0.2639,
0.4702


 270.3017, 0.2939,
0.3861


 14.9659, 0.2538,
0.4972


 49.2191, 0.2765,
0.4356


 8.7954, 0.2387,
0.5363


 67.1654, 0.2807,
0.4239


 4.6080, 0.2142,
0.5969

 89.0168, 0.2840,
0.4145

 2.0192, 0.1622,
0.7671

 115.1574, 0.2867,
0.4068

 0.6186, 0.0000,
1.0000

 145.9719, 0.2890,
0.4003

 0.0000, 0.0000,
0.0000

 181.8445, 0.2909,

0.3949

223.1596, 0.2925,
0.3902

■ 23.5037, 0.2639,
0.4702

■ 23.5037, 0.2639,
0.4702

■ 23.5065, 0.2639,
0.4702

■ 23.7229, 0.2621,
0.4546

■ 24.0258, 0.2618,
0.4387

■ 24.4508, 0.2633,
0.4227

■ 25.0125, 0.2668,
0.4069

■ 25.7231, 0.2719,
0.3915

■ 26.5934, 0.2784,
0.3769

■ 27.6335, 0.2861,
0.3633

■ 28.8522, 0.2945,
0.3507

■ 30.2579, 0.3035,
0.3393

Harmonies

Analogous

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



23.5037, 0.3527, 0.5094



23.5037, 0.2639, 0.4702



23.5037, 0.1935, 0.3675

Triad

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



23.5037, 0.2639, 0.4702



23.5037, 0.1867, 0.1893



23.5037, 0.4968, 0.3451

Complementary

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



23.5037, 0.2639, 0.4702



7.1434, 0.5268, 0.2676

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.



23.5037, 0.4390, 0.2820



23.5037, 0.2639, 0.4702



23.5037, 0.2495, 0.1971

Square

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



23.5037, 0.2639, 0.4702



23.5037, 0.1566, 0.2106



23.5037, 0.3419, 0.2298



23.5037, 0.4918, 0.4125

Rectangle

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



23.5037, 0.2639, 0.4702



23.5037, 0.1657, 0.2980



23.5037, 0.3419, 0.2298



23.5037, 0.4842, 0.3233

Sweetspot

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



23.5065, 0.2639, 0.4702



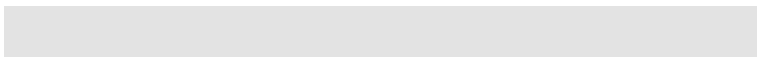
49.3632, 0.2856, 0.3641



23.9541, 0.3290, 0.5770



10.7349, 0.2826, 0.3692



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.



23.5065, 0.2639, 0.4702



42.0546, 0.2647, 0.4731



21.8875, 0.2190, 0.3084



6.9828, 0.3042, 0.3385



19.4321, 0.2636, 0.4691



0.2978, 0.2451, 0.4024

Inverse Universe

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



7.1434, 0.5268, 0.2676



12.7562, 0.5315, 0.2702



6.9946, 0.6341, 0.3347



6.2634, 0.3221, 0.3197



5.9096, 0.5250, 0.2666



0.0954, 0.4272, 0.2127

Previews

White Background



This preview shows how the Yxy color 23.5037, 0.2639, 0.4702 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 23.5037, 0.2639, 0.4702 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 23.5037, 0.2639, 0.4702

Background



This preview shows how black text looks on a background with the Yxy color 23.5037, 0.2639, 0.4702.



This preview shows how white text looks on a background with the Yxy color 23.5037, 0.2639, 0.4702.

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

23.5037, 0.2639, 0.4702

Protanopia

23.1164, 0.3848, 0.4154

Deuteranopia

23.1731, 0.3876, 0.3812



Tritanopia

23.5259, 0.2321, 0.3061

Trichromacy



Original Color

23.5037, 0.2639, 0.4702



Protanomaly

21.6716, 0.3153, 0.4439



Deuteranomaly

21.1080, 0.3161, 0.4161



Tritanomaly

23.2208, 0.2412, 0.3617

Monochromacy



Original Color

23.5037, 0.2639, 0.4702



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

15.1282, 0.2749, 0.3843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5037, 0.2639, 0.4702 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 89) }
```

Border

The CSS property to change the border of an element to Yxy 23.5037, 0.2639, 0.4702 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, 89) }
```

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

```
.border{ border-color:rgb(0, 153, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.5037, 0.2639, 0.4702 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, 89) }
```

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

```
.background{ background-color: rgb(0, 153,  
89) }
```

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