

Converting Colors

$Y_{xy}(23.1329, 0.2800, 0.5280)$

Have a look what the booklet for
Yxy(23.1329, 0.2800, 0.5280)
contains.

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Color

$Y_{xy}(23.1303, 0.2801, 0.5285)$

Conversions

Conversions Part 1

Format	Color
Hex	00993E
RGB	0, 153, 62
RGB Percent	0%, 60%, 24%
CMY	1.0000, 0.4000, 0.7568
CMYK	1.00, 0.00, 0.59, 0.40
HSL	144°, 100%, 30%
HSV	144°, 100%, 60%
XYZ	12.2588, 23.1303, 8.3768
YIQ	96.8790, -61.9770, -60.7370

Conversions

Conversions Part 2

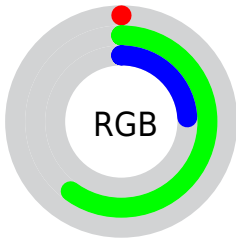
Format	Color
RYB	0, 109, 153
Decimal	39230
CIELab	55.21, -54.30, 37.71
CIELCh	55, 66.109, 145.223
Yxy	23.1303, 0.2801, 0.5285
Android (android.graphics.Color)	4278229310 (0xFF00993E)
YUV	96.8790, -17.1953, -84.9629
Hunter-Lab	48.0940, -38.6660, 23.3389

Details

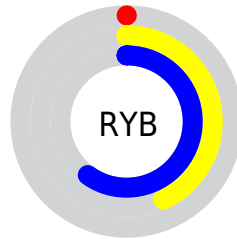
The Yxy color **23.1303, 0.2801, 0.5285** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.5283, 0.4538, 0.2274**, and the grayscale version is **11.9784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7970, 0.2918, 0.4801**, and **9.1363, 0.2965, 0.5873** is the 20% darker color. If you saturate the color by 10%, you get **23.1326, 0.2801, 0.5285**, and if you desaturate by 10%, it is **23.3452, 0.2775, 0.5087**.

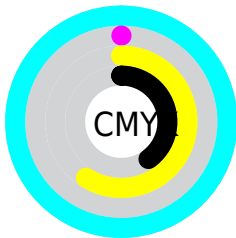
Distribution



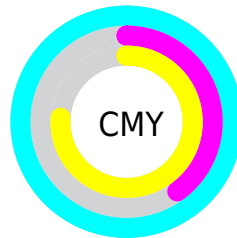
- Red (0%)
- Green (60%)
- Blue (24%)



- Red (0%)
- Yellow (43%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1303, 0.2801, 0.5285 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 23.1303, 0.2801, 0.5285 by changing the saturation by 10% instead.


 23.1303, 0.2801,
0.5285


 23.1303, 0.2801,
0.5285


268.3935, 0.3042,
0.4085


 14.6897, 0.2697,
0.5665


 48.6072, 0.2916,
0.4792


 8.6019, 0.2527,
0.6203


 66.4123, 0.2950,
0.4625


 4.4825, 0.2259,
0.7103

 88.1078, 0.2975,
0.4490

 1.9469, 0.1236,
0.8764

 114.0779, 0.2995,
0.4380

 0.5764, 0.0000,
1.0000

 144.7072, 0.3011,
0.4288

 0.0000, 0.0000,
0.0000

 180.3799, 0.3023,

0.4210

221.4806, 0.3033,
0.4143

■ 23.1303, 0.2801,
0.5285

■ 23.1303, 0.2801,
0.5285

■ 23.1326, 0.2801,
0.5285

■ 23.3452, 0.2775,
0.5087

■ 23.6522, 0.2761,
0.4872

■ 24.0898, 0.2765,
0.4647

■ 24.6729, 0.2786,
0.4420

■ 25.4142, 0.2822,
0.4196

■ 26.3251, 0.2871,
0.3983

■ 27.4159, 0.2928,
0.3784

■ 28.6958, 0.2992,
0.3602

■ 30.1738, 0.3059,
0.3437

Harmonies

Analogous

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



23.1303, 0.3830, 0.5379



23.1303, 0.2801, 0.5285



23.1303, 0.1911, 0.4151

Triad

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



23.1303, 0.2801, 0.5285



23.1303, 0.1539, 0.1709



23.1303, 0.5198, 0.3206

Complementary

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



23.1303, 0.2801, 0.5285



7.5283, 0.4538, 0.2274

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.



23.1303, 0.4317, 0.2535



23.1303, 0.2801, 0.5285



23.1303, 0.2126, 0.1719

Square

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



23.1303, 0.2801, 0.5285



23.1303, 0.1307, 0.2037



23.1303, 0.3111, 0.2008



23.1303, 0.5309, 0.3946

Rectangle

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



23.1303, 0.2801, 0.5285



23.1303, 0.1528, 0.3235



23.1303, 0.3111, 0.2008



23.1303, 0.4979, 0.2973

Sweetspot

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



23.1326, 0.2801, 0.5285



48.9688, 0.2925, 0.3796



25.0500, 0.3521, 0.5587



10.6397, 0.2902, 0.3871



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.



23.1326, 0.2801, 0.5285



41.3891, 0.2811, 0.5320



24.6112, 0.2333, 0.3597



6.9650, 0.3064, 0.3425



19.1231, 0.2798, 0.5271



0.2928, 0.2570, 0.4451

Inverse Universe

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



7.5283, 0.4538, 0.2274



13.4434, 0.4570, 0.2291



6.8083, 0.6264, 0.3224



6.2812, 0.3196, 0.3158



6.2281, 0.4526, 0.2267



0.1003, 0.3843, 0.1891

Previews

White Background



This preview shows how the Yxy color 23.1303, 0.2801, 0.5285 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 23.1303, 0.2801, 0.5285 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 23.1303, 0.2801, 0.5285

Background



This preview shows how black text looks on a background with the Yxy color 23.1303, 0.2801, 0.5285.



This preview shows how white text looks on a background with the Yxy color 23.1303, 0.2801, 0.5285.

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

23.1303, 0.2801, 0.5285

Protanopia

22.8990, 0.4100, 0.4509

Deuteranopia

22.6865, 0.4224, 0.4142



Tritanopia

23.3052, 0.2354, 0.3079

Trichromacy



Original Color

23.1303, 0.2801, 0.5285



Protanomaly

21.3888, 0.3377, 0.4928



Deuteranomaly

20.5580, 0.3430, 0.4652



Tritanomaly

22.6792, 0.2491, 0.3838

Monochromacy



Original Color

23.1303, 0.2801, 0.5285



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

14.3868, 0.2844, 0.4113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1303, 0.2801, 0.5285 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 62) }
```

Border

The CSS property to change the border of an element to Yxy 23.1303, 0.2801, 0.5285 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, 62) }
```

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

```
.border{ border-color:rgb(0, 153, 62) }
```

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, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 62);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 62)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.1303, 0.2801, 0.5285 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, 62) }
```

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

```
.background{ background-color: rgb(0, 153,  
62) }
```

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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