

Converting Colors

$Y_{xy}(23.0720, 0.2831, 0.5391)$

Have a look what the booklet for
Yxy(23.0720, 0.2831, 0.5391)
contains.

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Color

Yxy(23.0680, 0.2833, 0.5399)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 009938 |
| RGB | 0, 153, 56 |
| RGB Percent | 0%, 60%, 22% |
| CMY | 1.0000, 0.4000, 0.7804 |
| CMYK | 1.00, 0.00, 0.63, 0.40 |
| HSL | 142°, 100%, 30% |
| HSV | 142°, 100%, 60% |
| XYZ | 12.1044, 23.0680, 7.5540 |
| YIQ | 96.1950, -60.0510, -62.6030 |

Conversions

Conversions Part 2

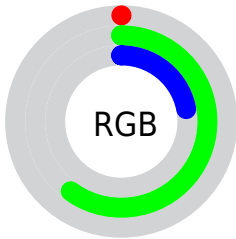
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 112, 153 |
| Decimal | 39224 |
| CIELab | 55.14, -55.09, 40.48 |
| CIELCh | 55, 68.362, 143.693 |
| Yxy | 23.0680, 0.2833, 0.5399 |
| Android (android.graphics.Color) | 4278229304 (0xFF009938) |
| YUV | 96.1950, -19.8161, -84.3630 |
| Hunter-Lab | 48.0292, -39.0651, 24.2953 |

Details

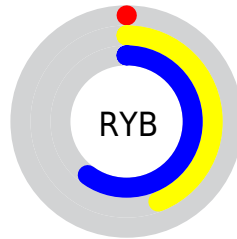
The Yxy color **23.0680, 0.2833, 0.5399** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.6361, 0.4381, 0.2187**, and the grayscale version is **11.8073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6887, 0.2943, 0.4877**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.0692, 0.2833, 0.5399**, and if you desaturate by 10%, it is **23.2776, 0.2806, 0.5198**.

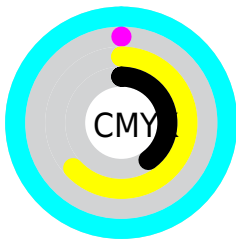
Distribution



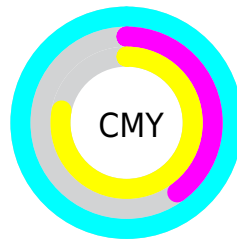
- Red (0%)
- Green (60%)
- Blue (22%)



- Red (0%)
- Yellow (44%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0680, 0.2833, 0.5399 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 23.0680, 0.2833, 0.5399 by changing the saturation by 10% instead.

 23.0680, 0.2833,
0.5399


 23.0680, 0.2833,
0.5399

268.0741, 0.3064,
0.4131


 14.6437, 0.2727,
0.5798


 48.5050, 0.2947,
0.4879

 8.5697, 0.2549,
0.6355


 66.2864, 0.2980,
0.4702


 4.4616, 0.2296,
0.7373

 87.9558, 0.3004,
0.4560

 1.9350, 0.1138,
0.8862

 113.8973, 0.3022,
0.4443

 0.5693, 0.0000,
1.0000

 144.4956, 0.3036,
0.4345

 0.0000, 0.0000,
0.0000

 180.1348, 0.3048,

0.4263

221.1995, 0.3057,
0.4192

■ 23.0680, 0.2833,
0.5399

■ 23.0680, 0.2833,
0.5399

■ 23.0692, 0.2833,
0.5399

■ 23.2776, 0.2806,
0.5198

■ 23.5823, 0.2791,
0.4976

■ 24.0197, 0.2793,
0.4739

■ 24.6048, 0.2812,
0.4498

■ 25.3505, 0.2846,
0.4259

■ 26.2683, 0.2891,
0.4031

■ 27.3686, 0.2944,
0.3818

■ 28.6609, 0.3003,
0.3623

■ 30.1541, 0.3064,
0.3447

Harmonies

Analogous

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



23.0680, 0.3887, 0.5420



23.0680, 0.2833, 0.5399



23.0680, 0.1908, 0.4257

Triad

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



23.0680, 0.2833, 0.5399



23.0680, 0.1478, 0.1676



23.0680, 0.5238, 0.3156

Complementary

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



23.0680, 0.2833, 0.5399



7.6361, 0.4381, 0.2187

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.



23.0680, 0.4295, 0.2479



23.0680, 0.2833, 0.5399



23.0680, 0.2056, 0.1672

Square

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



23.0680, 0.2833, 0.5399



23.0680, 0.1260, 0.2026



23.0680, 0.3046, 0.1952



23.0680, 0.5384, 0.3905

Rectangle

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



23.0680, 0.2833, 0.5399



23.0680, 0.1505, 0.3294



23.0680, 0.3046, 0.1952



23.0680, 0.4999, 0.2921

Sweetspot

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



23.0692, 0.2833, 0.5399



48.8851, 0.2940, 0.3831



25.4620, 0.3599, 0.5524



10.6197, 0.2919, 0.3911



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.



23.0692, 0.2833, 0.5399



41.2790, 0.2843, 0.5434



24.3969, 0.2378, 0.3762



6.9611, 0.3069, 0.3434



19.0712, 0.2829, 0.5385



0.2917, 0.2600, 0.4561

Inverse Universe

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



7.6361, 0.4381, 0.2187



13.6378, 0.4410, 0.2203



6.8344, 0.6167, 0.3171



6.2853, 0.3190, 0.3150



6.3173, 0.4370, 0.2181



0.1014, 0.3764, 0.1847

Previews

White Background



This preview shows how the Yxy color 23.0680, 0.2833, 0.5399 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 23.0680, 0.2833, 0.5399 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 23.0680, 0.2833, 0.5399

Background



This preview shows how black text looks on a background with the Yxy color 23.0680, 0.2833, 0.5399.



This preview shows how white text looks on a background with the Yxy color 23.0680, 0.2833, 0.5399.

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

23.0680, 0.2833, 0.5399

Protanopia

22.9359, 0.4160, 0.4574

Deuteranopia

22.7303, 0.4287, 0.4203



Tritanopia

23.0036, 0.2349, 0.3060

Trichromacy



Original Color

23.0680, 0.2833, 0.5399



Protanomaly

21.3838, 0.3430, 0.5019



Deuteranomaly

20.5593, 0.3484, 0.4736



Tritanomaly

22.6307, 0.2505, 0.3883

Monochromacy



Original Color

23.0680, 0.2833, 0.5399



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

14.3088, 0.2864, 0.4195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0680, 0.2833, 0.5399 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 56) }
```

Border

The CSS property to change the border of an element to Yxy 23.0680, 0.2833, 0.5399 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, 56) }
```

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

```
.border{ border-color:rgb(0, 153, 56) }
```

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, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.0680, 0.2833, 0.5399 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, 56) }
```

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

```
.background{ background-color: rgb(0, 153,  
56) }
```

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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