

Converting Colors

$Yxy(23.4863, 0.3181, 0.5856)$

Have a look what the booklet for
Yxy(23.4863, 0.3181, 0.5856)
contains.

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Color

Yxy(23.4863, 0.3181, 0.5856)

Conversions

Conversions Part 1

Format	Color
Hex	339900
RGB	51, 153, 0
RGB Percent	20%, 60%, 0%
CMY	0.7999, 0.4000, 0.9998
CMYK	0.67, 0.00, 1.00, 0.40
HSL	100°, 100%, 30%
HSV	100°, 100%, 60%
XYZ	12.7578, 23.4863, 3.8622
YIQ	105.0600, -11.6790, -69.2070

Conversions

Conversions Part 2

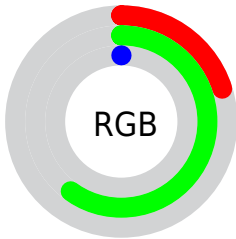
Format	Color
RYB	0, 153, 102
Decimal	3381504
CIELab	55.57, -52.48, 57.68
CIELCh	56, 77.986, 132.299
Yxy	23.4863, 0.3181, 0.5856
Android (android.graphics.Color)	4281571584 (0xFF339900)
YUV	105.0600, -51.7946, -47.4106
Hunter-Lab	48.4627, -37.8194, 29.1987

Details

The Yxy color **23.4863, 0.3181, 0.5856** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.1277, 0.2395, 0.1093**, and the grayscale version is **14.2938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9987, 0.3263, 0.5269**, and **9.3074, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.4861, 0.3181, 0.5856**, and if you desaturate by 10%, it is **23.8175, 0.3226, 0.5726**.

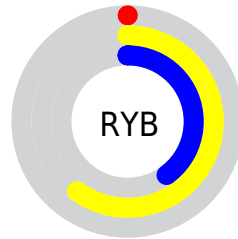
Distribution



Red (20%)

Green (60%)

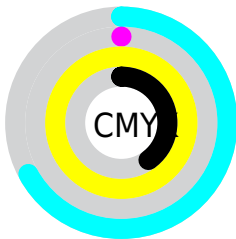
Blue (0%)



Red (0%)

Yellow (60%)

Blue (40%)

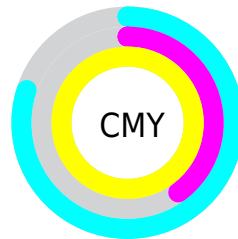


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (80%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4863, 0.3181, 0.5856 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 23.4863, 0.3181, 0.5856 by changing the saturation by 10% instead.


 23.4863, 0.3181,
0.5856


 23.4863, 0.3181,
0.5856


270.2130, 0.3275,
0.4359


 14.9530, 0.3078,
0.6272


 49.1906, 0.3264,
0.5269


 8.7864, 0.2916,
0.6884


 67.1304, 0.3279,
0.5060


 4.6021, 0.2515,
0.7485

 88.9745, 0.3285,
0.4888

 2.0158, 0.1505,
0.8495

 115.1072, 0.3287,
0.4746


 0.6166, 0.0000,
1.0000


 145.9131, 0.3285,
0.4626


 0.0000, 0.0000,
0.0000


 181.7764, 0.3283,


0.4524

 223.0816, 0.3279,
0.4435


 23.4863, 0.3181,
0.5856


 23.4863, 0.3181,
0.5856


 23.4861, 0.3181,
0.5856

 23.8175, 0.3226,
0.5726

 24.2357, 0.3264,
0.5546

 24.7569, 0.3287,
0.5308

 25.3891, 0.3294,
0.5027

 26.1390, 0.3287,
0.4721

■ 27.0131, 0.3268,
0.4407

■ 28.0170, 0.3239,
0.4099

■ 29.1562, 0.3205,
0.3806

■ 30.4359, 0.3167,
0.3535

Harmonies

Analogous

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



23.4863, 0.4314, 0.5359



23.4863, 0.3181, 0.5856



23.4863, 0.2090, 0.5025

Triad

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



23.4863, 0.3181, 0.5856



23.4863, 0.1201, 0.1606



23.4863, 0.5194, 0.2818

Complementary

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



23.4863, 0.3181, 0.5856



5.1277, 0.2395, 0.1093

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.



23.4863, 0.3896, 0.2146



23.4863, 0.3181, 0.5856



23.4863, 0.1655, 0.1488

Square

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



23.4863, 0.3181, 0.5856



23.4863, 0.1095, 0.2144



23.4863, 0.2554, 0.1677



23.4863, 0.5685, 0.3576

Rectangle

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



23.4863, 0.3181, 0.5856



23.4863, 0.1544, 0.3890



23.4863, 0.2554, 0.1677



23.4863, 0.4819, 0.2580

Sweetspot

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



23.4873, 0.3181, 0.5856



50.0545, 0.3241, 0.4118



16.2791, 0.4919, 0.4476



10.8947, 0.3253, 0.4236



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.



23.4873, 0.3181, 0.5856



41.9691, 0.3168, 0.5866



22.8555, 0.2954, 0.5833



7.0206, 0.3164, 0.3516



19.4275, 0.3186, 0.5853



0.3089, 0.3512, 0.5594

Inverse Universe

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



5.1277, 0.2395, 0.1093



9.0739, 0.2380, 0.1085



8.3193, 0.3673, 0.1797



6.2205, 0.3087, 0.3067



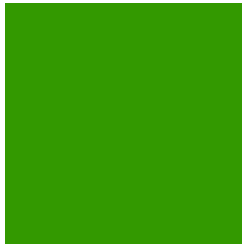
4.2546, 0.2401, 0.1096



0.0833, 0.2773, 0.1302

Previews

White Background



This preview shows how the Yxy color 23.4863, 0.3181, 0.5856 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 23.4863, 0.3181, 0.5856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

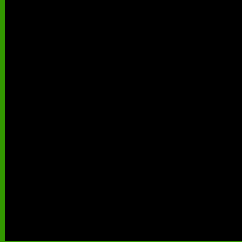
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4863, 0.3181, 0.5856

Background



This preview shows how black text looks on a background with the Yxy color 23.4863, 0.3181, 0.5856.



This preview shows how white text looks on a background with the Yxy color 23.4863, 0.3181, 0.5856.

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

23.4863, 0.3181, 0.5856

Protanopia

23.1646, 0.4392, 0.4895

Deuteranopia

23.1330, 0.4582, 0.4520



Tritanopia

23.3846, 0.2466, 0.3065

Trichromacy



Original Color

23.4863, 0.3181, 0.5856

Protanomaly

22.2669, 0.3864, 0.5314

Deuteranomaly

21.9439, 0.3994, 0.5083

Tritanomaly

22.7048, 0.2829, 0.4301

Monochromacy



Original Color

23.4863, 0.3181, 0.5856

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

16.2556, 0.3273, 0.4540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4863, 0.3181, 0.5856 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(51, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 153, 0)  
}
```

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(51, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.4863, 0.3181, 0.5856 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(51, 153, 0) }
```

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

```
.border{ border-color:rgb(51, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 153, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.4863, 0.3181, 0.5856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 153, 0) }
```

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

```
.background{ background-color: rgb(51, 153,  
0) }
```

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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