

Converting Colors

$Y_{xy}(23.5084, 0.3186, 0.5852)$

Have a look what the booklet for
Yxy(23.5084, 0.3186, 0.5852)
contains.

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Color

Yxy(23.5125, 0.3187, 0.5851)

Conversions

Conversions Part 1

Format	Color
Hex	349900
RGB	52, 153, 0
RGB Percent	20%, 60%, 0%
CMY	0.7961, 0.4000, 0.9996
CMYK	0.66, 0.00, 1.00, 0.40
HSL	100°, 100%, 30%
HSV	100°, 100%, 60%
XYZ	12.8071, 23.5125, 3.8658
YIQ	105.3590, -11.0830, -68.9950

Conversions

Conversions Part 2

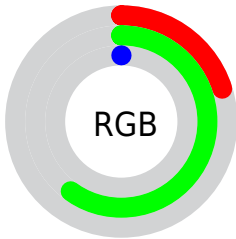
Format	Color
RYB	0, 153, 101
Decimal	3447040
CIELab	55.60, -52.27, 57.71
CIELCh	56, 77.861, 132.169
Yxy	23.5125, 0.3187, 0.5851
Android (android.graphics.Color)	4281637120 (0xFF349900)
YUV	105.3590, -51.9420, -46.7958
Hunter-Lab	48.4897, -37.7115, 29.2159

Details

The Yxy color **23.5125, 0.3187, 0.5851** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.0758, 0.2382, 0.1086**, and the grayscale version is **14.3776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0647, 0.3270, 0.5265**, and **9.3074, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.5115, 0.3187, 0.5852**, and if you desaturate by 10%, it is **23.8464, 0.3233, 0.5721**.

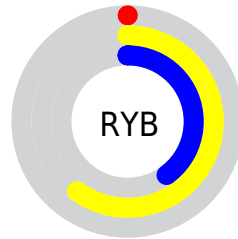
Distribution



Red (20%)

Green (60%)

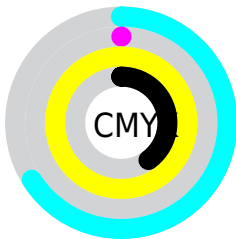
Blue (0%)



Red (0%)

Yellow (60%)

Blue (40%)

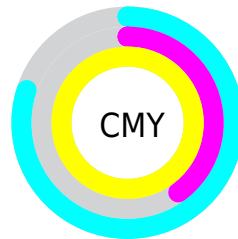


Cyan (66%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (80%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5125, 0.3187, 0.5851 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 23.5125, 0.3187, 0.5851 by changing the saturation by 10% instead.


 23.5125, 0.3187,
0.5851


 23.5125, 0.3187,
0.5851


270.3465, 0.3278,
0.4358


 14.9724, 0.3085,
0.6266


 49.2335, 0.3269,
0.5266


 8.8000, 0.2925,
0.6875


 67.1832, 0.3283,
0.5057


 4.6110, 0.2526,
0.7474

 89.0381, 0.3289,
0.4886

 2.0209, 0.1530,
0.8470

 115.1828, 0.3290,
0.4744


 0.6196, 0.0000,
1.0000


 146.0016, 0.3289,
0.4624


 0.0000, 0.0000,
0.0000


 181.8789, 0.3286,


0.4522

 223.1990, 0.3282,
0.4434


 23.5125, 0.3187,
0.5851

 23.5125, 0.3187,
0.5851


 23.5115, 0.3187,
0.5852

 23.8464, 0.3233,
0.5721

 24.2664, 0.3270,
0.5541

 24.7886, 0.3293,
0.5304

 25.4207, 0.3300,
0.5024

 26.1695, 0.3292,
0.4718

■ 27.0412, 0.3271,
0.4405

■ 28.0415, 0.3242,
0.4097

■ 29.1758, 0.3207,
0.3805

■ 30.4490, 0.3167,
0.3535

Harmonies

Analogous

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



23.5125, 0.4318, 0.5353



23.5125, 0.3187, 0.5851



23.5125, 0.2096, 0.5028

Triad

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



23.5125, 0.3187, 0.5851



23.5125, 0.1202, 0.1610



23.5125, 0.5185, 0.2816

Complementary

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



23.5125, 0.3187, 0.5851



5.0758, 0.2382, 0.1086

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.



23.5125, 0.3889, 0.2145



23.5125, 0.3187, 0.5851



23.5125, 0.1655, 0.1490

Square

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



23.5125, 0.3187, 0.5851



23.5125, 0.1098, 0.2150



23.5125, 0.2550, 0.1678



23.5125, 0.5681, 0.3574

Rectangle

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



23.5125, 0.3187, 0.5851



23.5125, 0.1549, 0.3897



23.5125, 0.2550, 0.1678



23.5125, 0.4811, 0.2578

Sweetspot

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



23.5135, 0.3187, 0.5851



50.0915, 0.3244, 0.4117



15.7891, 0.4963, 0.4441



10.9035, 0.3256, 0.4235



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.



23.5135, 0.3187, 0.5851



42.0115, 0.3174, 0.5862



22.8463, 0.2960, 0.5857



7.0224, 0.3165, 0.3516



19.4478, 0.3192, 0.5848



0.3094, 0.3520, 0.5587

Inverse Universe

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



5.0758, 0.2382, 0.1086



8.9769, 0.2366, 0.1077



8.3883, 0.3622, 0.1769



6.2186, 0.3086, 0.3067



4.2103, 0.2387, 0.1089



0.0828, 0.2765, 0.1297

Previews

White Background



This preview shows how the Yxy color 23.5125, 0.3187, 0.5851 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 23.5125, 0.3187, 0.5851 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 23.5125, 0.3187, 0.5851

Background



This preview shows how black text looks on a background with the Yxy color 23.5125, 0.3187, 0.5851.



This preview shows how white text looks on a background with the Yxy color 23.5125, 0.3187, 0.5851.

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

23.5125, 0.3187, 0.5851

Protanopia

23.1646, 0.4392, 0.4895

Deuteranopia

23.1330, 0.4582, 0.4520



Tritanopia

23.3846, 0.2466, 0.3065

Trichromacy



Original Color

23.5125, 0.3187, 0.5851

Protanomaly

22.3336, 0.3876, 0.5305

Deuteranomaly

22.0188, 0.4006, 0.5073

Tritanomaly

22.7417, 0.2837, 0.4299

Monochromacy



Original Color

23.5125, 0.3187, 0.5851

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

16.3027, 0.3285, 0.4535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5125, 0.3187, 0.5851 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(52, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(52, 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(52, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.5125, 0.3187, 0.5851 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(52, 153, 0) }
```

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

```
.border{ border-color:rgb(52, 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(52, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(52, 153, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.5125, 0.3187, 0.5851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 153, 0) }
```

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

```
.background{ background-color: rgb(52, 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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