

Converting Colors

$Y_{xy}(23.1616, 0.3271, 0.5031)$

Have a look what the booklet for
Yxy(23.1616, 0.3271, 0.5031)
contains.

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Color

Yxy(23.1616, 0.3271, 0.5031)

Conversions

Conversions Part 1

Format	Color
Hex	56933B
RGB	86, 147, 59
RGB Percent	34%, 58%, 23%
CMY	0.6629, 0.4235, 0.7685
CMYK	0.42, 0.00, 0.60, 0.42
HSL	102°, 43%, 40%
HSV	102°, 60%, 58%
XYZ	15.0590, 23.1616, 7.8172
YIQ	118.7290, -8.1080, -40.3000

Conversions

Conversions Part 2

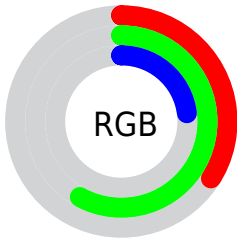
Format	Color
RYB	59, 147, 120
Decimal	5673787
CIELab	55.24, -36.51, 39.70
CIELCh	55, 53.934, 132.600
Yxy	23.1616, 0.3271, 0.5031
Android (android.graphics.Color)	4283863867 (0xFF56933B)
YUV	118.7290, -29.4464, -28.7033
Hunter-Lab	48.1265, -28.3681, 24.0580

Details

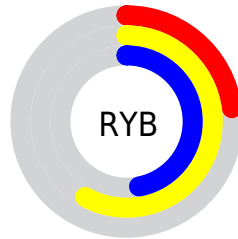
The Yxy color **23.1616, 0.3271, 0.5031** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.2345, 0.2781, 0.1761**, and the grayscale version is **18.4531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9206, 0.3283, 0.4628**, and **8.6838, 0.3192, 0.5768** is the 20% darker color. If you saturate the color by 10%, you get **22.5810, 0.3262, 0.5316**, and if you desaturate by 10%, it is **23.8562, 0.3266, 0.4722**.

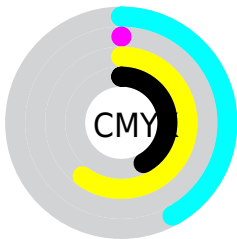
Distribution



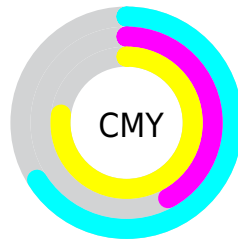
- Red (34%)
- Green (58%)
- Blue (23%)



- Red (23%)
- Yellow (58%)
- Blue (47%)



- Cyan (42%)
- Magenta (0%)
- Yellow (60%)
- Black (42%)





- Cyan (66%)
- Magenta (42%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1616, 0.3271, 0.5031 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 23.1616, 0.3271, 0.5031 by changing the saturation by 10% instead.


 23.1616, 0.3271,
0.5031


 23.1616, 0.3271,
0.5031


268.5539, 0.3241,
0.4009


 14.7129, 0.3247,
0.5340


 48.6585, 0.3278,
0.4620


 8.6181, 0.3187,
0.5765


 66.4755, 0.3275,
0.4478


 4.4929, 0.3104,
0.6509

 88.1841, 0.3269,
0.4362

 1.9530, 0.2672,
0.7328

 114.1686, 0.3264,
0.4267

 0.5799, 0.0000,
1.0000

 144.8134, 0.3258,
0.4187

 0.0000, 0.0000,
0.0000

 180.5030, 0.3252,

0.4119

221.6217, 0.3246,
0.4060

■ 23.1616, 0.3271,
0.5031

■ 23.1616, 0.3271,
0.5031

■ 22.5810, 0.3262,
0.5316

■ 23.8562, 0.3266,
0.4722

■ 22.1049, 0.3239,
0.5557

■ 24.6679, 0.3250,
0.4405

■ 21.7267, 0.3201,
0.5741

■ 25.6032, 0.3226,
0.4096

■ 21.4320, 0.3158,
0.5873

■ 26.6673, 0.3196,
0.3803

■ 21.4281, 0.3158,
0.5875

■ 27.8651, 0.3162,
0.3532

■ 29.2012, 0.3127,
0.3287

■ 30.6800, 0.3091,
0.3067

■ 32.3055, 0.3056,
0.2871

■ 34.0819, 0.3023,
0.2698

Harmonies

Analogous

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



23.1616, 0.4127, 0.4882



23.1616, 0.3271, 0.5031



23.1616, 0.2423, 0.4421

Triad

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



23.1616, 0.3271, 0.5031



23.1616, 0.1643, 0.2033



23.1616, 0.4584, 0.3001

Complementary

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



23.1616, 0.3271, 0.5031



9.2345, 0.2781, 0.1761

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.



23.1616, 0.3700, 0.2445



23.1616, 0.3271, 0.5031



23.1616, 0.2031, 0.1909

Square

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



23.1616, 0.3271, 0.5031



23.1616, 0.1567, 0.2497



23.1616, 0.2743, 0.2060



23.1616, 0.4983, 0.3641

Rectangle

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



23.1616, 0.3271, 0.5031



23.1616, 0.1982, 0.3720



23.1616, 0.2743, 0.2060



23.1616, 0.4326, 0.2802

Sweetspot

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



23.1626, 0.3271, 0.5031



48.0546, 0.3191, 0.3761



19.7480, 0.4215, 0.4282



10.8457, 0.3200, 0.3837



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1626, 0.3271, 0.5031



40.1045, 0.3255, 0.5409



22.3103, 0.2931, 0.4839



6.5494, 0.3160, 0.3515



18.5868, 0.3161, 0.5872



0.2416, 0.3483, 0.5617

Inverse Universe

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



9.2345, 0.2781, 0.1761



12.7664, 0.2672, 0.1474



10.9692, 0.3450, 0.2139



5.8210, 0.3091, 0.3069



4.2877, 0.2465, 0.1131



0.0680, 0.2828, 0.1331

Previews

White Background



This preview shows how the Yxy color 23.1616, 0.3271, 0.5031 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 23.1616, 0.3271, 0.5031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

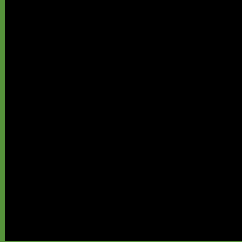
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1616, 0.3271, 0.5031

Background



This preview shows how black text looks on a background with the Yxy color 23.1616, 0.3271, 0.5031.



This preview shows how white text looks on a background with the Yxy color 23.1616, 0.3271, 0.5031.

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

23.1616, 0.3271, 0.5031

Protanopia

22.9719, 0.4129, 0.4527

Deuteranopia

22.7303, 0.4287, 0.4203



Tritanopia

23.1136, 0.2656, 0.3088

Trichromacy



Original Color

23.1616, 0.3271, 0.5031

Protanomaly

22.5368, 0.3791, 0.4716

Deuteranomaly

22.2023, 0.3878, 0.4504

Tritanomaly

22.7975, 0.2902, 0.3781

Monochromacy



Original Color

23.1616, 0.3271, 0.5031

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.6894, 0.3213, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1616, 0.3271, 0.5031 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(86, 147, 59)` looks like.

```
.text, #text, p{  
    color:rgb(86, 147, 59)  
}
```

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(86, 147, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 147, 59) }
```

Border

The CSS property to change the border of an element to Yxy 23.1616, 0.3271, 0.5031 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(86, 147, 59) }
```

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

```
.border{ border-color:rgb(86, 147, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 147, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 147, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 147, 59);  
box-shadow:4px 4px 4px 4px rgb(86, 147,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1616, 0.3271, 0.5031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 147, 59) }
```

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

```
.background{ background-color: rgb(86, 147,  
59) }
```

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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