

Converting Colors

$Yxy(23.1348, 0.3033, 0.6023)$

Have a look what the booklet for
Yxy(23.1348, 0.3033, 0.6023)
contains.

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Color

Yxy(23.1894, 0.3021, 0.5983)

Conversions

Conversions Part 1

Format	Color
Hex	0C9A00
RGB	12, 154, 0
RGB Percent	5%, 60%, 0%
CMY	0.9524, 0.3961, 0.9997
CMYK	0.92, 0.00, 1.00, 0.40
HSL	115°, 100%, 30%
HSV	115°, 100%, 60%
XYZ	11.7090, 23.1894, 3.8604
YIQ	93.9860, -35.1980, -77.9980

Conversions

Conversions Part 2

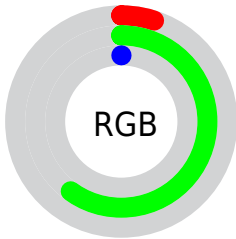
Format	Color
RYB	0, 154, 142
Decimal	825856
CIELab	55.27, -58.40, 57.17
CIElCh	55, 81.723, 135.607
Yxy	23.1894, 0.3021, 0.5983
Android (android.graphics.Color)	4279015936 (0xFF0C9A00)
YUV	93.9860, -46.3351, -71.9017
Hunter-Lab	48.1554, -40.8694, 28.9558

Details

The Yxy color **23.1894, 0.3021, 0.5983** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.0776, 0.3016, 0.1435**, and the grayscale version is **11.3210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8625, 0.3142, 0.5355**, and **9.3074, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.1898, 0.3021, 0.5983**, and if you desaturate by 10%, it is **23.3709, 0.3036, 0.5873**.

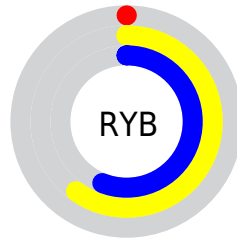
Distribution



Red (5%)

Green (60%)

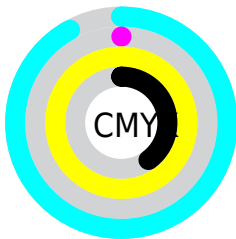
Blue (0%)



Red (0%)

Yellow (60%)

Blue (56%)

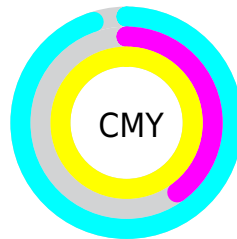


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (95%)


Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1894, 0.3021, 0.5983 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 23.1894, 0.3021, 0.5983 by changing the saturation by 10% instead.


 23.1894, 0.3021,
0.5983


 23.1894, 0.3021,
0.5983


268.6963, 0.3209,
0.4393


 14.7334, 0.2889,
0.6434


 48.7041, 0.3142,
0.5354


 8.6325, 0.2689,
0.7102


 66.5317, 0.3170,
0.5131


 4.5023, 0.2236,
0.7764

 88.2519, 0.3187,
0.4949

 1.9583, 0.0846,
0.9154

 114.2491, 0.3197,
0.4799


 0.5831, 0.0000,
1.0000


 144.9078, 0.3203,
0.4673

 0.0000, 0.0000,
0.0000


 180.6123, 0.3207,


0.4565


 221.7470, 0.3209,
0.4473


 23.1894, 0.3021,
0.5983


 23.1894, 0.3021,
0.5983


 23.1898, 0.3021,
0.5983

 23.3709, 0.3036,
0.5873

 23.6710, 0.3055,
0.5696

 24.1148, 0.3075,
0.5446

 24.7172, 0.3092,
0.5141

 25.4915, 0.3105,
0.4805

■ 26.4495, 0.3115,
0.4462

■ 27.6020, 0.3122,
0.4129

■ 28.9588, 0.3126,
0.3819

■ 30.5293, 0.3127,
0.3538

Harmonies

Analogous

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



23.1894, 0.4200, 0.5521



23.1894, 0.3021, 0.5983



23.1894, 0.1923, 0.4946

Triad

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



23.1894, 0.3021, 0.5983



23.1894, 0.1170, 0.1512



23.1894, 0.5404, 0.2868

Complementary

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



23.1894, 0.3021, 0.5983



8.0776, 0.3016, 0.1435

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.



23.1894, 0.4098, 0.2167



23.1894, 0.3021, 0.5983



23.1894, 0.1676, 0.1433

Square

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



23.1894, 0.3021, 0.5983



23.1894, 0.1023, 0.1997



23.1894, 0.2658, 0.1659



23.1894, 0.5781, 0.3645

Rectangle

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



23.1894, 0.3021, 0.5983



23.1894, 0.1403, 0.3713



23.1894, 0.2658, 0.1659



23.1894, 0.5043, 0.2623

Sweetspot

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



23.1904, 0.3021, 0.5983



49.9959, 0.3122, 0.4150



25.9705, 0.4345, 0.4932



11.1225, 0.3119, 0.4279



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.1904, 0.3021, 0.5983



42.0920, 0.3016, 0.5987



23.4839, 0.2792, 0.5250



6.9476, 0.3127, 0.3519



18.9005, 0.3023, 0.5982



0.2880, 0.3136, 0.5892

Inverse Universe

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



8.0776, 0.3016, 0.1435



14.6316, 0.3012, 0.1433



7.6072, 0.4584, 0.2299



6.2990, 0.3126, 0.3070



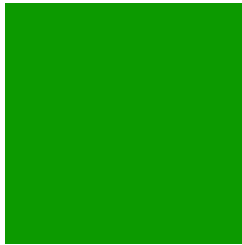
6.5867, 0.3017, 0.1436



0.1048, 0.3109, 0.1486

Previews

White Background



This preview shows how the Yxy color 23.1894, 0.3021, 0.5983 looks on a white background.

Color Contrast Check

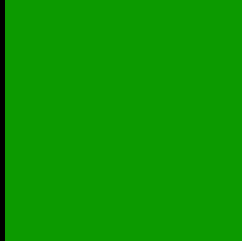
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1894, 0.3021, 0.5983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

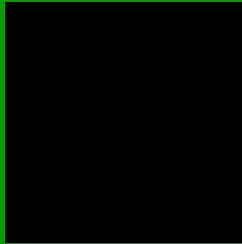
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1894, 0.3021, 0.5983

Background



This preview shows how black text looks on a background with the Yxy color 23.1894, 0.3021, 0.5983.



This preview shows how white text looks on a background with the Yxy color 23.1894, 0.3021, 0.5983.

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

23.1894, 0.3021, 0.5983

Protanopia

22.7984, 0.4393, 0.4894

Deuteranopia

22.7764, 0.4578, 0.4509



Tritanopia

23.1353, 0.2371, 0.3061

Trichromacy



Original Color

23.1894, 0.3021, 0.5983



Protanomaly

21.4088, 0.3696, 0.5448



Deuteranomaly

20.9137, 0.3802, 0.5215



Tritanomaly

22.3491, 0.2679, 0.4335

Monochromacy



Original Color

23.1894, 0.3021, 0.5983



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

13.9070, 0.3104, 0.4705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1894, 0.3021, 0.5983 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(12, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 154, 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(12, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 154, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.1894, 0.3021, 0.5983 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(12, 154, 0) }
```

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

```
.border{ border-color:rgb(12, 154, 0) }
```

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

Here you see how a box with a 4 pixel rgb(12, 154, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 154, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.1894, 0.3021, 0.5983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 154, 0) }
```

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

```
.background{ background-color: rgb(12, 154,  
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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