

Converting Colors

$Y_{xy}(19.7352, 0.3019, 0.6006)$

Have a look what the booklet for
Yxy(19.7352, 0.3019, 0.6006)
contains.

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Color

Yxy(19.6901, 0.3014, 0.5989)

Conversions

Conversions Part 1

Format	Color
Hex	078F00
RGB	7, 143, 0
RGB Percent	3%, 56%, 0%
CMY	0.9729, 0.4392, 1.0000
CMYK	0.95, 0.00, 1.00, 0.44
HSL	117°, 100%, 28%
HSV	117°, 100%, 56%
XYZ	9.9092, 19.6901, 3.2778
YIQ	86.0340, -35.1530, -73.3050

Conversions

Conversions Part 2

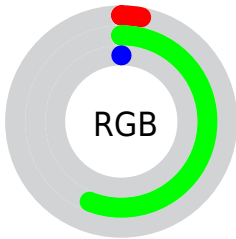
Format	Color
RYB	0, 143, 136
Decimal	495360
CIELab	51.49, -55.56, 54.14
CIELCh	51, 77.572, 135.742
Yxy	19.6901, 0.3014, 0.5989
Android (android.graphics.Color)	4278685440 (0xFF078F00)
YUV	86.0340, -42.4148, -69.3128
Hunter-Lab	44.3735, -37.7924, 26.6818

Details

The Yxy color **19.6901, 0.3014, 0.5989** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.2257, 0.3091, 0.1476**, and the grayscale version is **9.4056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8681, 0.3140, 0.5335**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.6909, 0.3014, 0.5989**, and if you desaturate by 10%, it is **19.8331, 0.3023, 0.5876**.

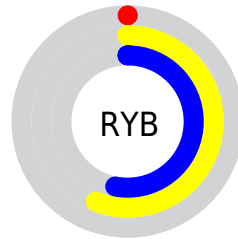
Distribution



Red (3%)

Green (56%)

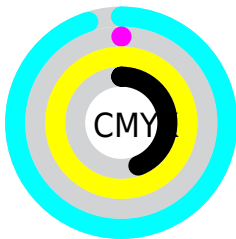
Blue (0%)



Red (0%)

Yellow (56%)

Blue (53%)

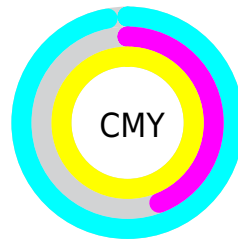


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (97%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6901, 0.3014, 0.5989 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 19.6901, 0.3014, 0.5989 by changing the saturation by 10% instead.


 19.6901, 0.3014,
0.5989


 19.6901, 0.3014,
0.5989


250.2325, 0.3206,
0.4358


 12.1700, 0.2871,
0.6470


 42.8970, 0.3141,
0.5330


 6.8595, 0.2685,
0.7304


 59.3526, 0.3168,
0.5101

 3.3744, 0.2117,
0.7883

 79.5554, 0.3185,
0.4916

 1.3302, 0.0000,
1.0000

 103.8899, 0.3195,
0.4764

 0.1644, 0.0000,
1.0000


 132.7405, 0.3201,
0.4637


 0.0000, 0.0000,
0.0000

 166.4915, 0.3204,


0.4530


 205.5274, 0.3206,
0.4438


 19.6901, 0.3014,
0.5989


 19.6901, 0.3014,
0.5989


 19.6909, 0.3014,
0.5989

 19.8331, 0.3023,
0.5876

 20.0753, 0.3039,
0.5699

 20.4420, 0.3055,
0.5448

 20.9469, 0.3071,
0.5142

 21.6019, 0.3086,
0.4805

■ 22.4175, 0.3099,
0.4460

■ 23.4035, 0.3109,
0.4127

■ 24.5688, 0.3117,
0.3818

■ 25.9216, 0.3123,
0.3538

Harmonies

Analogous

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



19.6901, 0.4195, 0.5528



19.6901, 0.3014, 0.5989



19.6901, 0.1915, 0.4942

Triad

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



19.6901, 0.3014, 0.5989



19.6901, 0.1169, 0.1508



19.6901, 0.5413, 0.2870

Complementary

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



19.6901, 0.3014, 0.5989



7.2257, 0.3091, 0.1476

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.



19.6901, 0.4107, 0.2168



19.6901, 0.3014, 0.5989



19.6901, 0.1677, 0.1431

Square

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



19.6901, 0.3014, 0.5989



19.6901, 0.1020, 0.1990



19.6901, 0.2662, 0.1658



19.6901, 0.5786, 0.3648

Rectangle

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



19.6901, 0.3014, 0.5989



19.6901, 0.1397, 0.3706



19.6901, 0.2662, 0.1658



19.6901, 0.5053, 0.2624

Sweetspot

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



19.6909, 0.3014, 0.5989



41.7877, 0.3108, 0.4148



23.4074, 0.4281, 0.4983



9.4231, 0.3105, 0.4272



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



19.6909, 0.3014, 0.5989



35.2391, 0.3010, 0.5992



20.0205, 0.2760, 0.5136



6.0410, 0.3123, 0.3516



17.4120, 0.3015, 0.5988



0.1685, 0.3087, 0.5931

Inverse Universe

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



7.2257, 0.3091, 0.1476



12.9173, 0.3089, 0.1475



6.3995, 0.4710, 0.2368



5.4979, 0.3130, 0.3073



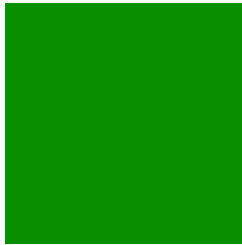
6.3911, 0.3092, 0.1477



0.0637, 0.3155, 0.1511

Previews

White Background



This preview shows how the Yxy color 19.6901, 0.3014, 0.5989 looks on a white background.

Color Contrast Check

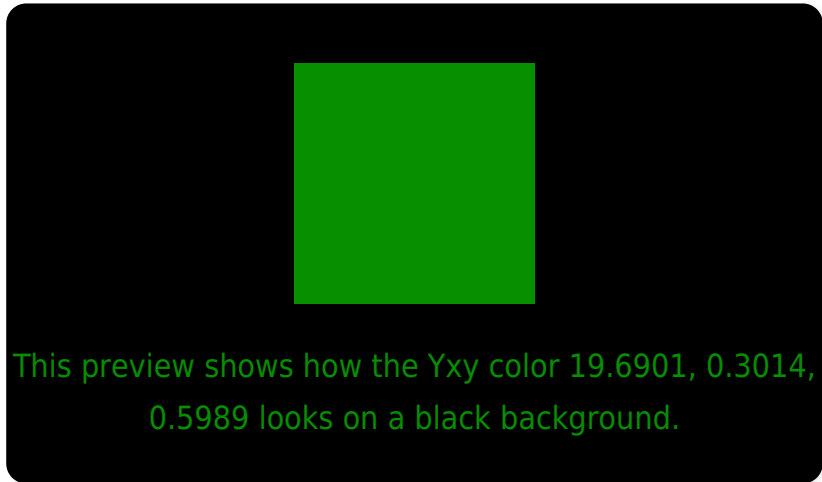
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 19.6901, 0.3014, 0.5989

Background



This preview shows how black text looks on a background with the Yxy color 19.6901, 0.3014, 0.5989.



This preview shows how white text looks on a background with the Yxy color 19.6901, 0.3014, 0.5989.

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

19.6901, 0.3014, 0.5989

Protanopia

19.3223, 0.4407, 0.4883

Deuteranopia

19.4597, 0.4579, 0.4496



Tritanopia

19.7493, 0.2372, 0.3065

Trichromacy



Original Color

19.6901, 0.3014, 0.5989



Protanomaly

18.1389, 0.3675, 0.5464



Deuteranomaly

17.7389, 0.3799, 0.5203



Tritanomaly

19.1354, 0.2672, 0.4337

Monochromacy



Original Color

19.6901, 0.3014, 0.5989



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

11.6611, 0.3084, 0.4710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6901, 0.3014, 0.5989 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(7, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(7, 143, 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(7, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.6901, 0.3014, 0.5989 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(7, 143, 0) }
```

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

```
.border{ border-color:rgb(7, 143, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 143, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 143, 0); box-shadow:4px  
4px 4px 4px rgb(7, 143, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6901, 0.3014, 0.5989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 143, 0) }
```

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

```
.background{ background-color: rgb(7, 143,  
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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