

Converting Colors

$Y_{xy}(16.7945, 0.1568, 0.7064)$

Have a look what the booklet for
Yxy(16.7945, 0.1568, 0.7064)
contains.

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Color

Yxy(19.9619, 0.2989, 0.5959)

Conversions

Conversions Part 1

Format	Color
Hex	009007
RGB	0, 144, 7
RGB Percent	0%, 56%, 3%
CMY	0.9994, 0.4353, 0.9728
CMYK	1.00, 0.00, 0.95, 0.44
HSL	123°, 100%, 28%
HSV	123°, 100%, 56%
XYZ	10.0128, 19.9619, 3.5241
YIQ	85.3260, -41.8470, -73.1350

Conversions

Conversions Part 2

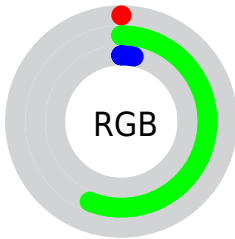
Format	Color
RYB	0, 137, 144
Decimal	36871
CIELab	51.79, -56.07, 53.15
CIELCh	52, 77.259, 136.533
Yxy	19.9619, 0.2989, 0.5959
Android (android.graphics.Color)	4278226951 (0xFF009007)
YUV	85.3260, -38.6147, -74.8309
Hunter-Lab	44.6787, -38.1849, 26.5986

Details

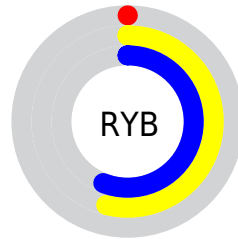
The Yxy color **19.9619, 0.2989, 0.5959** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.7454, 0.3328, 0.1608**, and the grayscale version is **9.2548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3153, 0.3120, 0.5309**, and **7.6543, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.9614, 0.2989, 0.5960**, and if you desaturate by 10%, it is **20.0973, 0.2991, 0.5839**.

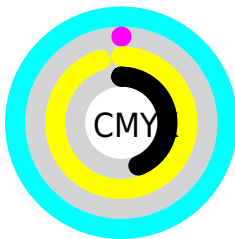
Distribution



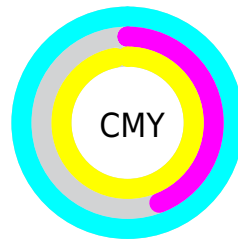
- Red (0%)
- Green (56%)
- Blue (3%)



- Red (0%)
- Yellow (54%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9619, 0.2989, 0.5959 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 19.9619, 0.2989, 0.5959 by changing the saturation by 10% instead.


 19.9619, 0.2989,
0.5959


 19.9619, 0.2989,
0.5959


251.7088, 0.3190,
0.4345


 12.3674, 0.2848,
0.6440


 43.3533, 0.3117,
0.5305


 6.9944, 0.2649,
0.7230


 59.9189, 0.3146,
0.5079


 3.4586, 0.2114,
0.7886

 80.2437, 0.3164,
0.4896

 1.3756, 0.0000,
1.0000

 104.7121, 0.3175,
0.4746


 0.1986, 0.0000,
1.0000


 133.7083, 0.3182,
0.4620


 0.0000, 0.0000,
0.0000


 167.6170, 0.3186,

0.4514


 206.8223, 0.3189,
0.4423


 19.9619, 0.2989,
0.5959


 19.9619, 0.2989,
0.5959


 19.9614, 0.2989,
0.5960

 20.0973, 0.2991,
0.5839

 20.3248, 0.2993,
0.5647

 20.6821, 0.3001,
0.5387

 21.1847, 0.3013,
0.5079

 21.8458, 0.3030,
0.4746

■ 22.6774, 0.3049,
0.4411

■ 23.6899, 0.3069,
0.4089

■ 24.8933, 0.3090,
0.3792

■ 26.2967, 0.3109,
0.3524

Harmonies

Analogous

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



19.9619, 0.4164, 0.5540



19.9619, 0.2989, 0.5959



19.9619, 0.1902, 0.4880

Triad

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



19.9619, 0.2989, 0.5959



19.9619, 0.1188, 0.1512



19.9619, 0.5418, 0.2895

Complementary

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



19.9619, 0.2989, 0.5959



7.7454, 0.3328, 0.1608

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.



19.9619, 0.4140, 0.2192



19.9619, 0.2989, 0.5959



19.9619, 0.1705, 0.1443

Square

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



19.9619, 0.2989, 0.5959



19.9619, 0.1031, 0.1981



19.9619, 0.2700, 0.1678



19.9619, 0.5764, 0.3673

Rectangle

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



19.9619, 0.2989, 0.5959



19.9619, 0.1393, 0.3657



19.9619, 0.2700, 0.1678



19.9619, 0.5069, 0.2649

Sweetspot

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



19.9627, 0.2989, 0.5959



41.6427, 0.3068, 0.4112



25.4535, 0.4136, 0.5097



9.3881, 0.3060, 0.4231



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.



19.9627, 0.2989, 0.5959



35.2003, 0.2992, 0.5971



20.4816, 0.2684, 0.4860



6.0332, 0.3110, 0.3506



17.3838, 0.2988, 0.5957



0.1669, 0.2932, 0.5755

Inverse Universe

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



7.7454, 0.3328, 0.1608



13.6476, 0.3331, 0.1608



6.3414, 0.5053, 0.2559



5.5067, 0.3144, 0.3083



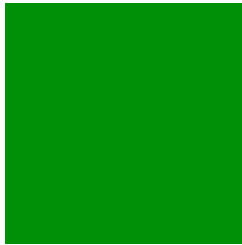
6.7427, 0.3327, 0.1607



0.0653, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 19.9619, 0.2989, 0.5959 looks on a white background.

Color Contrast Check

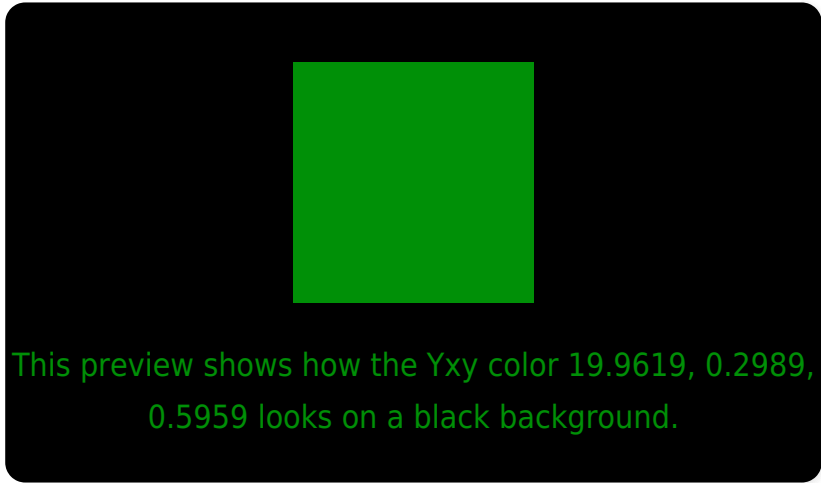
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9619, 0.2989, 0.5959

Background



This preview shows how black text looks on a background with the Yxy color 19.9619, 0.2989, 0.5959.



This preview shows how white text looks on a background with the Yxy color 19.9619, 0.2989, 0.5959.

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

19.9619, 0.2989, 0.5959

Protanopia

19.6549, 0.4406, 0.4884

Deuteranopia

19.7954, 0.4571, 0.4493



Tritanopia

20.0552, 0.2370, 0.3067

Trichromacy



Original Color

19.9619, 0.2989, 0.5959



Protanomaly

18.3630, 0.3647, 0.5465



Deuteranomaly

17.8933, 0.3750, 0.5206



Tritanomaly

19.4153, 0.2638, 0.4285

Monochromacy



Original Color

19.9619, 0.2989, 0.5959



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

11.3877, 0.3029, 0.4652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9619, 0.2989, 0.5959 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(0, 144, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 7)  
}
```

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(0, 144, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 7) }
```

Border

The CSS property to change the border of an element to Yxy 19.9619, 0.2989, 0.5959 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(0, 144, 7) }
```

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

```
.border{ border-color:rgb(0, 144, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 144, 7); box-shadow:4px  
4px 4px 4px rgb(0, 144, 7) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9619, 0.2989, 0.5959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 7) }
```

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

```
.background{ background-color: rgb(0, 144,  
7) }
```

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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