

Converting Colors

$Y_{xy}(19.6623, 0.3024, 0.5981)$

Have a look what the booklet for
Yxy(19.6623, 0.3024, 0.5981)
contains.

Yxy(19.7231, 0.3024, 0.5981)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.7231, 0.3024, 0.5981)

Conversions

Conversions Part 1

Format	Color
Hex	0C8F00
RGB	12, 143, 0
RGB Percent	5%, 56%, 0%
CMY	0.9537, 0.4392, 1.0000
CMYK	0.92, 0.00, 1.00, 0.44
HSL	115°, 100%, 28%
HSV	115°, 100%, 56%
XYZ	9.9720, 19.7231, 3.2811
YIQ	87.5290, -32.1730, -72.2450

Conversions

Conversions Part 2

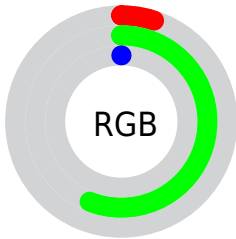
Format	Color
RYB	0, 143, 131
Decimal	823040
CIELab	51.52, -55.22, 54.18
CIElCh	52, 77.364, 135.546
Yxy	19.7231, 0.3024, 0.5981
Android (android.graphics.Color)	4279013120 (0xFF0C8F00)
YUV	87.5290, -43.1518, -66.2389
Hunter-Lab	44.4107, -37.6382, 26.7070

Details

The Yxy color **19.7231, 0.3024, 0.5981** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **6.8253, 0.3007, 0.1430**, and the grayscale version is **9.7394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9671, 0.3152, 0.5327**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.7239, 0.3024, 0.5981**, and if you desaturate by 10%, it is **19.8854, 0.3039, 0.5864**.

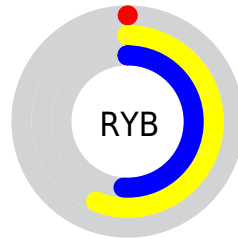
Distribution



Red (5%)

Green (56%)

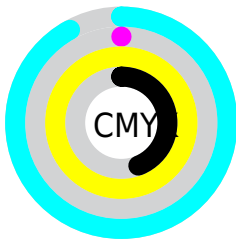
Blue (0%)



Red (0%)

Yellow (56%)

Blue (51%)

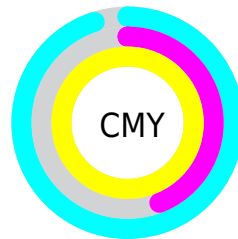


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (95%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7231, 0.3024, 0.5981 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 19.7231, 0.3024, 0.5981 by changing the saturation by 10% instead.


 19.7231, 0.3024,
0.5981


 19.7231, 0.3024,
0.5981


250.4121, 0.3210,
0.4356


 12.1939, 0.2883,
0.6460


 42.9525, 0.3148,
0.5325


 6.8759, 0.2699,
0.7288


 59.4214, 0.3175,
0.5097


 3.3846, 0.2135,
0.7865

 79.6391, 0.3191,
0.4913

 1.3357, 0.0000,
1.0000

 103.9899, 0.3201,
0.4761

 0.1686, 0.0000,
1.0000


 132.8582, 0.3206,
0.4634


 0.0000, 0.0000,
0.0000

 166.6284, 0.3209,


0.4527

 205.6849, 0.3210,
0.4436


 19.7231, 0.3024,
0.5981


 19.7231, 0.3024,
0.5981


 19.7239, 0.3024,
0.5981

 19.8854, 0.3039,
0.5864

 20.1468, 0.3059,
0.5684

 20.5290, 0.3078,
0.5433

 21.0442, 0.3095,
0.5128

 21.7034, 0.3108,
0.4794

■ 22.5161, 0.3118,
0.4453

■ 23.4914, 0.3124,
0.4124

■ 24.6373, 0.3127,
0.3816

■ 25.9615, 0.3128,
0.3538

Harmonies

Analogous

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



19.7231, 0.4202, 0.5518



19.7231, 0.3024, 0.5981



19.7231, 0.1926, 0.4948

Triad

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



19.7231, 0.3024, 0.5981



19.7231, 0.1171, 0.1514



19.7231, 0.5400, 0.2867

Complementary

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



19.7231, 0.3024, 0.5981



6.8253, 0.3007, 0.1430

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.



19.7231, 0.4094, 0.2167



19.7231, 0.3024, 0.5981



19.7231, 0.1676, 0.1434

Square

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



19.7231, 0.3024, 0.5981



19.7231, 0.1024, 0.1999



19.7231, 0.2656, 0.1659



19.7231, 0.5780, 0.3644

Rectangle

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



19.7231, 0.3024, 0.5981



19.7231, 0.1405, 0.3717



19.7231, 0.2656, 0.1659



19.7231, 0.5039, 0.2622

Sweetspot

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



19.7239, 0.3024, 0.5981



41.9446, 0.3124, 0.4144



22.0972, 0.4344, 0.4933



9.4610, 0.3122, 0.4267



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.



19.7239, 0.3024, 0.5981



35.2857, 0.3018, 0.5985



19.9691, 0.2789, 0.5240



6.0493, 0.3128, 0.3516



17.4420, 0.3026, 0.5980



0.1701, 0.3145, 0.5885

Inverse Universe

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



6.8253, 0.3007, 0.1430



12.1859, 0.3003, 0.1428



6.4714, 0.4574, 0.2294



5.4887, 0.3125, 0.3072



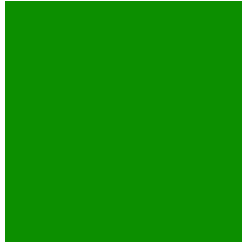
6.0384, 0.3008, 0.1431



0.0621, 0.3115, 0.1489

Previews

White Background



This preview shows how the Yxy color 19.7231, 0.3024, 0.5981 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 19.7231, 0.3024, 0.5981 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 19.7231, 0.3024, 0.5981

Background



This preview shows how black text looks on a background with the Yxy color 19.7231, 0.3024, 0.5981.



This preview shows how white text looks on a background with the Yxy color 19.7231, 0.3024, 0.5981.

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

19.7231, 0.3024, 0.5981

Protanopia

19.5692, 0.4393, 0.4894

Deuteranopia

19.4597, 0.4579, 0.4496



Tritanopia

19.7808, 0.2378, 0.3066

Trichromacy



Original Color

19.7231, 0.3024, 0.5981

Protanomaly

18.2406, 0.3700, 0.5444

Deuteranomaly

17.7970, 0.3813, 0.5193

Tritanomaly

19.1776, 0.2683, 0.4334

Monochromacy



Original Color

19.7231, 0.3024, 0.5981

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

11.7519, 0.3120, 0.4694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7231, 0.3024, 0.5981 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, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.7231, 0.3024, 0.5981 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, 143, 0) }
```

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

```
.border{ border-color:rgb(12, 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(12, 143, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 143, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.7231, 0.3024, 0.5981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 143, 0) }
```

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

```
.background{ background-color: rgb(12, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor