

Converting Colors

$Y_{xy}(19.7055, 0.2919, 0.5709)$

Have a look what the booklet for
Yxy(19.7055, 0.2919, 0.5709)
contains.

Yxy(19.7547, 0.2921, 0.5714)	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(19.7547, 0.2921, 0.5714)

Conversions

Conversions Part 1

Format	Color
Hex	008F21
RGB	0, 143, 33
RGB Percent	0%, 56%, 13%
CMY	0.9993, 0.4392, 0.8706
CMYK	1.00, 0.00, 0.77, 0.44
HSL	134°, 100%, 28%
HSV	134°, 100%, 56%
XYZ	10.0986, 19.7547, 4.7191
YIQ	87.7030, -49.9180, -64.5260

Conversions

Conversions Part 2

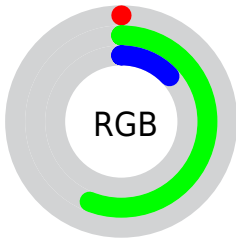
Format	Color
RYB	0, 116, 143
Decimal	36641
CIELab	51.56, -54.39, 46.23
CIELCh	52, 71.378, 139.635
Yxy	19.7547, 0.2921, 0.5714
Android (android.graphics.Color)	4278226721 (0xFF008F21)
YUV	87.7030, -26.9686, -76.9155
Hunter-Lab	44.4463, -37.2241, 24.8172

Details

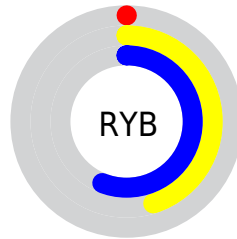
The Yxy color **19.7547, 0.2921, 0.5714** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.9735, 0.3874, 0.1909**, and the grayscale version is **9.7714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9753, 0.3042, 0.5110**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.7535, 0.2921, 0.5716**, and if you desaturate by 10%, it is **19.9238, 0.2902, 0.5524**.

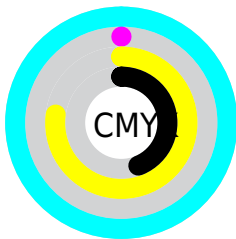
Distribution



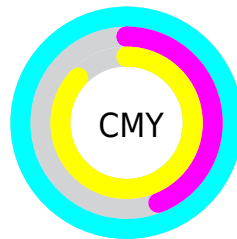
- Red (0%)
- Green (56%)
- Blue (13%)



- Red (0%)
- Yellow (45%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (44%)




- Cyan (100%)
- Magenta (44%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7547, 0.2921, 0.5714 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 19.7547, 0.2921, 0.5714 by changing the saturation by 10% instead.


 19.7547, 0.2921,
0.5714


 19.7547, 0.2921,
0.5714


250.5841, 0.3132,
0.4233


 12.2169, 0.2796,
0.6179


 43.0055, 0.3041,
0.5103


 6.8915, 0.2582,
0.6850


 59.4873, 0.3071,
0.4896


 3.3944, 0.2177,
0.7823

 79.7192, 0.3092,
0.4730

 1.3409, 0.0000,
1.0000

 104.0856, 0.3106,
0.4594

 0.1726, 0.0000,
1.0000

 132.9709, 0.3116,
0.4481

 0.0000, 0.0000,
0.0000

 166.7595, 0.3123,

0.4385

205.8357, 0.3128,
0.4304

■ 19.7547, 0.2921,
0.5714

■ 19.7547, 0.2921,
0.5714

■ 19.7535, 0.2921,
0.5716

■ 19.9238, 0.2902,
0.5524

■ 20.1787, 0.2889,
0.5293

■ 20.5538, 0.2889,
0.5030

■ 21.0624, 0.2902,
0.4749

■ 21.7160, 0.2927,
0.4465

■ 22.5248, 0.2960,
0.4189

■ 23.4981, 0.2998,
0.3930

■ 24.6446, 0.3040,
0.3692

■ 25.9722, 0.3084,
0.3478

Harmonies

Analogous

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



19.7547, 0.4043, 0.5504



19.7547, 0.2921, 0.5714



19.7547, 0.1903, 0.4582

Triad

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



19.7547, 0.2921, 0.5714



19.7547, 0.1315, 0.1584



19.7547, 0.5342, 0.3014

Complementary

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



19.7547, 0.2921, 0.5714



6.9735, 0.3874, 0.1909

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.



19.7547, 0.4219, 0.2322



19.7547, 0.2921, 0.5714



19.7547, 0.1861, 0.1544

Square

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



19.7547, 0.2921, 0.5714



19.7547, 0.1131, 0.1999



19.7547, 0.2859, 0.1800



19.7547, 0.5594, 0.3783

Rectangle

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



19.7547, 0.2921, 0.5714



19.7547, 0.1442, 0.3480



19.7547, 0.2859, 0.1800



19.7547, 0.5045, 0.2773

Sweetspot

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



19.7555, 0.2921, 0.5714



41.9383, 0.2995, 0.3949



23.0934, 0.3822, 0.5346



9.4601, 0.2980, 0.4045



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.



19.7555, 0.2921, 0.5714



35.3538, 0.2930, 0.5747



20.6157, 0.2505, 0.4215



6.0484, 0.3087, 0.3464



17.4690, 0.2919, 0.5708



0.1699, 0.2718, 0.4983

Inverse Universe

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



6.9735, 0.3874, 0.1909



12.4527, 0.3892, 0.1918



6.0012, 0.5766, 0.2952



5.4901, 0.3170, 0.3122



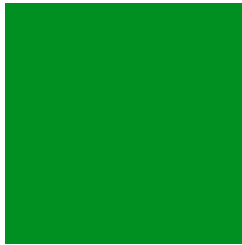
6.1649, 0.3872, 0.1906



0.0623, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 19.7547, 0.2921, 0.5714 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 19.7547, 0.2921, 0.5714 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 19.7547, 0.2921, 0.5714

Background



This preview shows how black text looks on a background with the Yxy color 19.7547, 0.2921, 0.5714.



This preview shows how white text looks on a background with the Yxy color 19.7547, 0.2921, 0.5714.

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

19.7547, 0.2921, 0.5714

Protanopia

19.6530, 0.4295, 0.4749

Deuteranopia

19.4449, 0.4471, 0.4382



Tritanopia

19.7185, 0.2367, 0.3065

Trichromacy



Original Color

19.7547, 0.2921, 0.5714



Protanomaly

18.1337, 0.3553, 0.5262



Deuteranomaly

17.6163, 0.3637, 0.5015



Tritanomaly

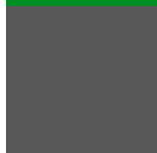
19.3029, 0.2566, 0.4045

Monochromacy



Original Color

19.7547, 0.2921, 0.5714



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.9832, 0.2935, 0.4377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7547, 0.2921, 0.5714 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, 143, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 33)  
}
```

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, 143, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 33) }
```

Border

The CSS property to change the border of an element to Yxy 19.7547, 0.2921, 0.5714 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, 143, 33) }
```

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

```
.border{ border-color:rgb(0, 143, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.7547, 0.2921, 0.5714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 33) }
```

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

```
.background{ background-color: rgb(0, 143,  
33) }
```

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