

Converting Colors

$Y_{xy}(19.6715, 0.2937, 0.5771)$

Have a look what the booklet for
Yxy(19.6715, 0.2937, 0.5771)
contains.

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Color

Yxy(19.7336, 0.2935, 0.5767)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 008F1D |
| RGB | 0, 143, 29 |
| RGB Percent | 0%, 56%, 11% |
| CMY | 1.0000, 0.4392, 0.8863 |
| CMYK | 1.00, 0.00, 0.80, 0.44 |
| HSL | 132°, 100%, 28% |
| HSV | 132°, 100%, 56% |
| XYZ | 10.0430, 19.7336, 4.4415 |
| YIQ | 87.2470, -48.6340, -65.7700 |

Conversions

Conversions Part 2

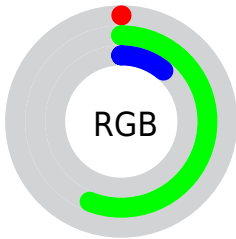
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 119, 143 |
| Decimal | 36637 |
| CIELab | 51.53, -54.72, 47.59 |
| CIELCh | 52, 72.518, 138.984 |
| Yxy | 19.7336, 0.2935, 0.5767 |
| Android (android.graphics.Color) | 4278226717 (0xFF008F1D) |
| YUV | 87.2470, -28.7158, -76.5156 |
| Hunter-Lab | 44.4225, -37.3842, 25.1677 |

Details

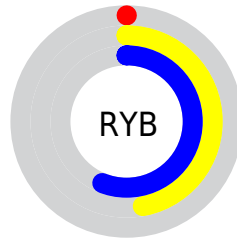
The Yxy color **19.7336, 0.2935, 0.5767** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.0552, 0.3786, 0.1859**, and the grayscale version is **9.6587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9287, 0.3056, 0.5152**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.7352, 0.2935, 0.5767**, and if you desaturate by 10%, it is **19.8982, 0.2918, 0.5584**.

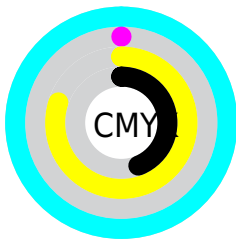
Distribution



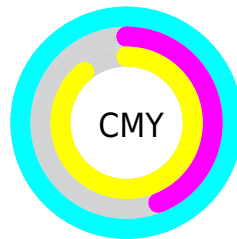
- Red (0%)
- Green (56%)
- Blue (11%)



- Red (0%)
- Yellow (47%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (44%)




- Cyan (100%)
- Magenta (44%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7336, 0.2935, 0.5767 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 19.7336, 0.2935, 0.5767 by changing the saturation by 10% instead.


 19.7336, 0.2935,
0.5767


 19.7336, 0.2935,
0.5767


250.4693, 0.3144,
0.4256


 12.2015, 0.2806,
0.6237


 42.9701, 0.3057,
0.5145


 6.8811, 0.2593,
0.6929


 59.4433, 0.3086,
0.4934

 3.3878, 0.2160,
0.7840

 79.6657, 0.3106,
0.4764

 1.3374, 0.0000,
1.0000

 104.0217, 0.3120,
0.4625

 0.1699, 0.0000,
1.0000


 132.8957, 0.3129,
0.4509

 0.0000, 0.0000,
0.0000

 166.6720, 0.3136,


0.4411


 205.7350, 0.3141,
0.4328


 19.7336, 0.2935,
0.5767


 19.7336, 0.2935,
0.5767

 19.7352, 0.2935,
0.5767

 19.8982, 0.2918,
0.5584

 20.1480, 0.2906,
0.5356

 20.5191, 0.2907,
0.5090

 21.0248, 0.2919,
0.4803

 21.6771, 0.2942,
0.4511

■ 22.4862, 0.2972,
0.4225

■ 23.4616, 0.3008,
0.3956

■ 24.6121, 0.3047,
0.3709

■ 25.9457, 0.3087,
0.3487

Harmonies

Analogous

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



19.7336, 0.4068, 0.5515



19.7336, 0.2935, 0.5767



19.7336, 0.1902, 0.4642

Triad

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



19.7336, 0.2935, 0.5767



19.7336, 0.1288, 0.1568



19.7336, 0.5360, 0.2990

Complementary

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



19.7336, 0.2935, 0.5767



7.0552, 0.3786, 0.1859

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.



19.7336, 0.4204, 0.2295



19.7336, 0.2935, 0.5767



19.7336, 0.1828, 0.1522

Square

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



19.7336, 0.2935, 0.5767



19.7336, 0.1109, 0.1994



19.7336, 0.2827, 0.1774



19.7336, 0.5630, 0.3761

Rectangle

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



19.7336, 0.2935, 0.5767



19.7336, 0.1431, 0.3514



19.7336, 0.2827, 0.1774



19.7336, 0.5052, 0.2747

Sweetspot

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



19.7352, 0.2935, 0.5767



41.8929, 0.3006, 0.3973



23.2511, 0.3851, 0.5324



9.4490, 0.2992, 0.4073



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.



19.7352, 0.2935, 0.5767



35.3193, 0.2943, 0.5796



20.5686, 0.2521, 0.4275



6.0462, 0.3091, 0.3470



17.4508, 0.2933, 0.5759



0.1695, 0.2745, 0.5083

Inverse Universe

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



7.0552, 0.3786, 0.1859



12.6089, 0.3800, 0.1867



6.0138, 0.5712, 0.2920



5.4925, 0.3166, 0.3116



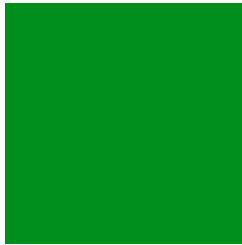
6.2407, 0.3782, 0.1857



0.0627, 0.3469, 0.1685

Previews

White Background



This preview shows how the Yxy color 19.7336, 0.2935, 0.5767 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 19.7336, 0.2935, 0.5767 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 19.7336, 0.2935, 0.5767

Background



This preview shows how black text looks on a background with the Yxy color 19.7336, 0.2935, 0.5767.



This preview shows how white text looks on a background with the Yxy color 19.7336, 0.2935, 0.5767.

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

19.7336, 0.2935, 0.5767

Protanopia

19.6351, 0.4315, 0.4779

Deuteranopia

19.4303, 0.4487, 0.4403



Tritanopia

19.7185, 0.2367, 0.3065

Trichromacy



Original Color

19.7336, 0.2935, 0.5767



Protanomaly

18.1146, 0.3572, 0.5306



Deuteranomaly

17.5967, 0.3657, 0.5057



Tritanomaly

19.2627, 0.2581, 0.4094

Monochromacy



Original Color

19.7336, 0.2935, 0.5767



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.7210, 0.2945, 0.4416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7336, 0.2935, 0.5767 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 29) }
```

Border

The CSS property to change the border of an element to Yxy 19.7336, 0.2935, 0.5767 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, 29) }
```

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

```
.border{ border-color:rgb(0, 143, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.7336, 0.2935, 0.5767 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, 29) }
```

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

```
.background{ background-color: rgb(0, 143,  
29) }
```

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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