

Converting Colors

$Y_{xy}(18.6635, 0.2689, 0.5895)$

Have a look what the booklet for
Yxy(18.6635, 0.2689, 0.5895)
contains.

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Color

Yxy(19.4449, 0.2927, 0.5737)

Conversions

Conversions Part 1

Format	Color
Hex	008E1F
RGB	0, 142, 31
RGB Percent	0%, 56%, 12%
CMY	0.9999, 0.4431, 0.8783
CMYK	1.00, 0.00, 0.78, 0.44
HSL	133°, 100%, 28%
HSV	133°, 100%, 56%
XYZ	9.9207, 19.4449, 4.5282
YIQ	86.8880, -49.0010, -64.6250

Conversions

Conversions Part 2

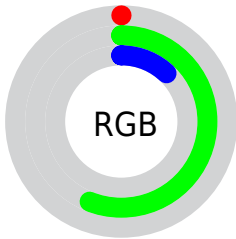
Format	Color
RYB	0, 117, 142
Decimal	36383
CIELab	51.20, -54.25, 46.58
CIELCh	51, 71.504, 139.354
Yxy	19.4449, 0.2927, 0.5737
Android (android.graphics.Color)	4278226463 (0xFF008E1F)
YUV	86.8880, -27.5528, -76.2008
Hunter-Lab	44.0964, -37.0100, 24.7790

Details

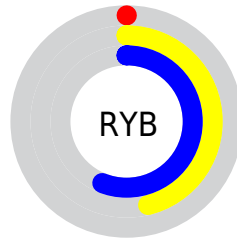
The Yxy color **19.4449, 0.2927, 0.5737** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.8990, 0.3837, 0.1887**, and the grayscale version is **9.5762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5039, 0.3047, 0.5116**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.4455, 0.2927, 0.5737**, and if you desaturate by 10%, it is **19.6097, 0.2909, 0.5550**.

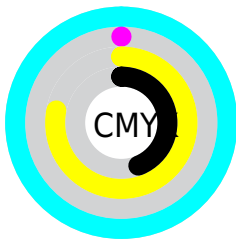
Distribution



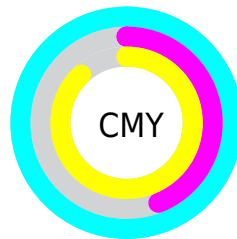
- Red (0%)
- Green (56%)
- Blue (12%)



- Red (0%)
- Yellow (46%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4449, 0.2927, 0.5737 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 19.4449, 0.2927, 0.5737 by changing the saturation by 10% instead.


 19.4449, 0.2927,
0.5737


 19.4449, 0.2927,
0.5737


248.8940, 0.3138,
0.4240

 11.9922, 0.2799,
0.6207


 42.4845, 0.3048,
0.5119


 6.7384, 0.2586,
0.6897


 58.8403, 0.3078,
0.4909

 3.2990, 0.2159,
0.7841

 78.9324, 0.3098,
0.4741


 1.2898, 0.0000,
1.0000

 103.1454, 0.3112,
0.4604

 0.1333, 0.0000,
1.0000

 131.8637, 0.3122,
0.4490

 0.0000, 0.0000,
0.0000

 165.4716, 0.3129,

0.4393

204.3536, 0.3134,
0.4311

■ 19.4449, 0.2927,
0.5737

■ 19.4449, 0.2927,
0.5737

■ 19.4455, 0.2927,
0.5737

■ 19.6097, 0.2909,
0.5550

■ 19.8585, 0.2896,
0.5320

■ 20.2258, 0.2897,
0.5056

■ 20.7249, 0.2909,
0.4772

■ 21.3673, 0.2933,
0.4485

■ 22.1629, 0.2965,
0.4205

■ 23.1211, 0.3002,
0.3942

■ 24.2503, 0.3043,
0.3700

■ 25.5585, 0.3085,
0.3483

Harmonies

Analogous

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



19.4449, 0.4053, 0.5509



19.4449, 0.2927, 0.5737



19.4449, 0.1903, 0.4608

Triad

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



19.4449, 0.2927, 0.5737



19.4449, 0.1303, 0.1577



19.4449, 0.5350, 0.3004

Complementary

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



19.4449, 0.2927, 0.5737



6.8990, 0.3837, 0.1887

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.



19.4449, 0.4213, 0.2310



19.4449, 0.2927, 0.5737



19.4449, 0.1847, 0.1535

Square

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



19.4449, 0.2927, 0.5737



19.4449, 0.1122, 0.1997



19.4449, 0.2845, 0.1789



19.4449, 0.5609, 0.3773

Rectangle

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



19.4449, 0.2927, 0.5737



19.4449, 0.1438, 0.3494



19.4449, 0.2845, 0.1789



19.4449, 0.5048, 0.2762

Sweetspot

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



19.4457, 0.2927, 0.5737



40.6543, 0.3000, 0.3958



22.7416, 0.3823, 0.5347



8.9349, 0.2986, 0.4053



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.4457, 0.2927, 0.5737



34.2689, 0.2935, 0.5767



20.3015, 0.2504, 0.4216



6.0475, 0.3089, 0.3467



17.4611, 0.2925, 0.5730



0.1697, 0.2729, 0.5025

Inverse Universe

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



6.8990, 0.3837, 0.1887



12.1396, 0.3852, 0.1896



5.9063, 0.5768, 0.2952



5.4911, 0.3168, 0.3120



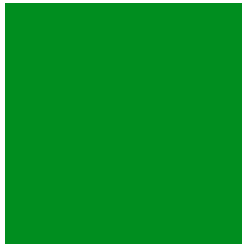
6.1964, 0.3834, 0.1885



0.0625, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 19.4449, 0.2927, 0.5737 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 19.4449, 0.2927, 0.5737 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 19.4449, 0.2927, 0.5737

Background



This preview shows how black text looks on a background with the Yxy color 19.4449, 0.2927, 0.5737.



This preview shows how white text looks on a background with the Yxy color 19.4449, 0.2927, 0.5737.

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

19.4449, 0.2927, 0.5737

Protanopia

19.3120, 0.4305, 0.4761

Deuteranopia

19.1113, 0.4479, 0.4386



Tritanopia

19.4155, 0.2369, 0.3064

Trichromacy



Original Color

19.4449, 0.2927, 0.5737



Protanomaly

17.8106, 0.3557, 0.5284



Deuteranomaly

17.3551, 0.3651, 0.5018



Tritanomaly

18.9797, 0.2576, 0.4074

Monochromacy



Original Color

19.4449, 0.2927, 0.5737



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.7329, 0.2934, 0.4388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4449, 0.2927, 0.5737 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, 142, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 31)  
}
```

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, 142, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 31) }
```

Border

The CSS property to change the border of an element to Yxy 19.4449, 0.2927, 0.5737 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, 142, 31) }
```

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

```
.border{ border-color:rgb(0, 142, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 31)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.4449, 0.2927, 0.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 31) }
```

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

```
.background{ background-color: rgb(0, 142,  
31) }
```

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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