

Converting Colors

$Y_{xy}(19.0498, 0.2790, 0.5915)$

Have a look what the booklet for
Yxy(19.0498, 0.2790, 0.5915)
contains.

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Color

Yxy(19.4206, 0.2944, 0.5800)

Conversions

Conversions Part 1

Format	Color
Hex	008E1A
RGB	0, 142, 26
RGB Percent	0%, 56%, 10%
CMY	1.0000, 0.4431, 0.8981
CMYK	1.00, 0.00, 0.82, 0.44
HSL	131°, 100%, 28%
HSV	131°, 100%, 56%
XYZ	9.8576, 19.4206, 4.2056
YIQ	86.3180, -47.3960, -66.1800

Conversions

Conversions Part 2

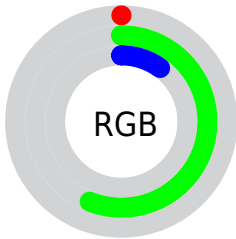
Format	Color
RYB	0, 120, 142
Decimal	36378
CIELab	51.18, -54.63, 48.21
CIELCh	51, 72.866, 138.571
Yxy	19.4206, 0.2944, 0.5800
Android (android.graphics.Color)	4278226458 (0xFF008E1A)
YUV	86.3180, -29.7368, -75.7009
Hunter-Lab	44.0688, -37.1923, 25.1900

Details

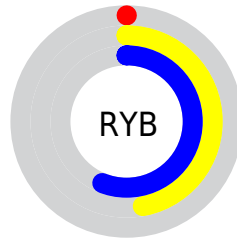
The Yxy color **19.4206, 0.2944, 0.5800** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.0127, 0.3722, 0.1824**, and the grayscale version is **9.4502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4430, 0.3066, 0.5172**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.4226, 0.2944, 0.5800**, and if you desaturate by 10%, it is **19.5804, 0.2930, 0.5623**.

Distribution



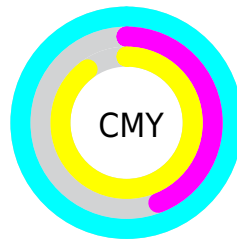
- Red (0%)
- Green (56%)
- Blue (10%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (44%)




- Cyan (100%)
- Magenta (44%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4206, 0.2944, 0.5800 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 19.4206, 0.2944, 0.5800 by changing the saturation by 10% instead.


 19.4206, 0.2944,
0.5800

 19.4206, 0.2944,
0.5800


248.7610, 0.3152,
0.4267


 11.9746, 0.2813,
0.6276


 42.4436, 0.3067,
0.5169


 6.7264, 0.2601,
0.6996


 58.7894, 0.3096,
0.4955


 3.2916, 0.2139,
0.7861

 78.8706, 0.3116,
0.4782

 1.2858, 0.0000,
1.0000

 103.0715, 0.3129,
0.4641


 0.1302, 0.0000,
1.0000


 131.7766, 0.3138,
0.4524

 0.0000, 0.0000,
0.0000


 165.3703, 0.3144,


0.4425


 204.2370, 0.3149,
0.4340


 19.4206, 0.2944,
0.5800

 19.4206, 0.2944,
0.5800


 19.4226, 0.2944,
0.5800

 19.5804, 0.2930,
0.5623

 19.8240, 0.2919,
0.5396

 20.1878, 0.2920,
0.5130

 20.6852, 0.2932,
0.4839

 21.3279, 0.2953,
0.4540

■ 22.1261, 0.2982,
0.4248

■ 23.0894, 0.3016,
0.3973

■ 24.2263, 0.3053,
0.3720

■ 25.5448, 0.3090,
0.3492

Harmonies

Analogous

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



19.4206, 0.4084, 0.5521



19.4206, 0.2944, 0.5800



19.4206, 0.1902, 0.4680

Triad

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



19.4206, 0.2944, 0.5800



19.4206, 0.1271, 0.1559



19.4206, 0.5370, 0.2974

Complementary

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



19.4206, 0.2944, 0.5800



7.0127, 0.3722, 0.1824

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.



19.4206, 0.4194, 0.2278



19.4206, 0.2944, 0.5800



19.4206, 0.1807, 0.1509

Square

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



19.4206, 0.2944, 0.5800



19.4206, 0.1096, 0.1992



19.4206, 0.2806, 0.1758



19.4206, 0.5652, 0.3746

Rectangle

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



19.4206, 0.2944, 0.5800



19.4206, 0.1425, 0.3537



19.4206, 0.2806, 0.1758



19.4206, 0.5056, 0.2731

Sweetspot

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



19.4226, 0.2944, 0.5800



40.5971, 0.3014, 0.3990



23.2234, 0.3908, 0.5279



8.9213, 0.3001, 0.4089



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.



19.4226, 0.2944, 0.5800



34.2283, 0.2952, 0.5827



20.1683, 0.2553, 0.4392



6.0445, 0.3093, 0.3475



17.4389, 0.2943, 0.5794



0.1691, 0.2766, 0.5158

Inverse Universe

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



7.0127, 0.3722, 0.1824



12.3428, 0.3734, 0.1831



5.9593, 0.5588, 0.2852



5.4943, 0.3163, 0.3112



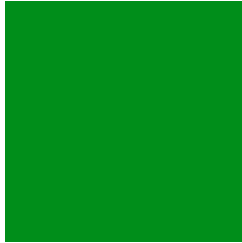
6.2981, 0.3719, 0.1822



0.0631, 0.3441, 0.1669

Previews

White Background



This preview shows how the Yxy color 19.4206, 0.2944, 0.5800 looks on a white background.

Color Contrast Check

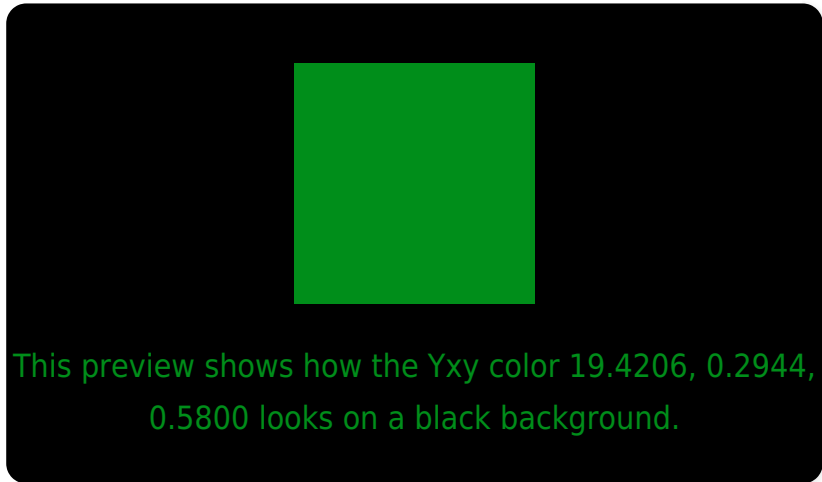
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4206, 0.2944, 0.5800

Background



This preview shows how black text looks on a background with the Yxy color 19.4206, 0.2944, 0.5800.



This preview shows how white text looks on a background with the Yxy color 19.4206, 0.2944, 0.5800.

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

19.4206, 0.2944, 0.5800

Protanopia

19.2916, 0.4329, 0.4797

Deuteranopia

19.0834, 0.4511, 0.4427



Tritanopia

19.4155, 0.2369, 0.3064

Trichromacy



Original Color

19.4206, 0.2944, 0.5800



Protanomaly

17.7886, 0.3580, 0.5336



Deuteranomaly

17.3241, 0.3684, 0.5085



Tritanomaly

18.9405, 0.2592, 0.4124

Monochromacy



Original Color

19.4206, 0.2944, 0.5800



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

11.4905, 0.2966, 0.4452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4206, 0.2944, 0.5800 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 26) }
```

Border

The CSS property to change the border of an element to Yxy 19.4206, 0.2944, 0.5800 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, 26) }
```

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

```
.border{ border-color:rgb(0, 142, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 26)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.4206, 0.2944, 0.5800 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, 26) }
```

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

```
.background{ background-color: rgb(0, 142,  
26) }
```

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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