

Converting Colors

$Y_{xy}(19.3504, 0.3163, 0.5871)$

Have a look what the booklet for
Yxy(19.3504, 0.3163, 0.5871)
contains.

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Color

Yxy(19.2698, 0.3161, 0.5872)

Conversions

Conversions Part 1

Format	Color
Hex	2B8C00
RGB	43, 140, 0
RGB Percent	17%, 55%, 0%
CMY	0.8315, 0.4510, 0.9999
CMYK	0.69, 0.00, 1.00, 0.45
HSL	102°, 100%, 27%
HSV	102°, 100%, 55%
XYZ	10.3733, 19.2698, 3.1733
YIQ	95.0370, -12.8720, -64.1040

Conversions

Conversions Part 2

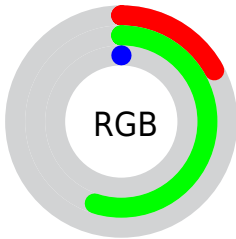
Format	Color
RYB	0, 140, 97
Decimal	2853888
CIELab	51.00, -49.86, 53.97
CIELCh	51, 73.474, 132.730
Yxy	19.2698, 0.3161, 0.5872
Android (android.graphics.Color)	4281043968 (0xFF2B8C00)
YUV	95.0370, -46.8532, -45.6364
Hunter-Lab	43.8974, -34.6396, 26.4421

Details

The Yxy color **19.2698, 0.3161, 0.5872** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.4399, 0.2463, 0.1131**, and the grayscale version is **11.5687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3785, 0.3250, 0.5250**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.2701, 0.3161, 0.5872**, and if you desaturate by 10%, it is **19.5375, 0.3203, 0.5736**.

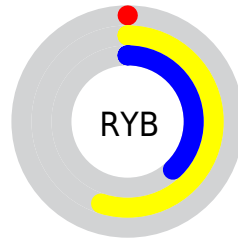
Distribution



Red (17%)

Green (55%)

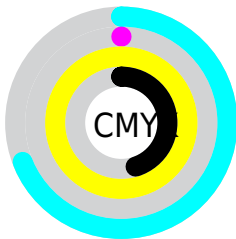
Blue (0%)



Red (0%)

Yellow (55%)

Blue (38%)

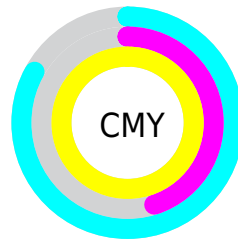


Cyan (69%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (83%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2698, 0.3161, 0.5872 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 19.2698, 0.3161, 0.5872 by changing the saturation by 10% instead.


 19.2698, 0.3161,
0.5872


 19.2698, 0.3161,
0.5872


247.9342, 0.3265,
0.4321


 11.8654, 0.3044,
0.6325


 42.1895, 0.3252,
0.5249

 6.6521, 0.2894,
0.7106


 58.4736, 0.3267,
0.5031

 3.2455, 0.2359,
0.7641

 78.4863, 0.3274,
0.4855

 1.2612, 0.0000,
1.0000

 102.6122, 0.3276,
0.4709


 0.1109, 0.0000,
1.0000


 131.2355, 0.3275,
0.4588


 0.0000, 0.0000,
0.0000


 164.7407, 0.3272,


0.4485


 203.5121, 0.3268,
0.4397


 19.2698, 0.3161,
0.5872


 19.2698, 0.3161,
0.5872


 19.2701, 0.3161,
0.5872

 19.5375, 0.3203,
0.5736

 19.8781, 0.3240,
0.5552

 20.3060, 0.3263,
0.5310

 20.8280, 0.3271,
0.5027

 21.4498, 0.3267,
0.4719

■ 22.1768, 0.3251,
0.4404

■ 23.0138, 0.3226,
0.4095

■ 23.9656, 0.3196,
0.3804

■ 25.0364, 0.3162,
0.3534

Harmonies

Analogous

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



19.2698, 0.4300, 0.5379



19.2698, 0.3161, 0.5872



19.2698, 0.2069, 0.5016

Triad

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



19.2698, 0.3161, 0.5872



19.2698, 0.1197, 0.1594



19.2698, 0.5220, 0.2825

Complementary

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



19.2698, 0.3161, 0.5872



4.4399, 0.2463, 0.1131

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.



19.2698, 0.3921, 0.2148



19.2698, 0.3161, 0.5872



19.2698, 0.1658, 0.1481

Square

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



19.2698, 0.3161, 0.5872



19.2698, 0.1086, 0.2125



19.2698, 0.2566, 0.1675



19.2698, 0.5698, 0.3585

Rectangle

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



19.2698, 0.3161, 0.5872



19.2698, 0.1526, 0.3868



19.2698, 0.2566, 0.1675



19.2698, 0.4847, 0.2586

Sweetspot

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



19.2706, 0.3161, 0.5872



40.4683, 0.3228, 0.4115



13.8836, 0.4869, 0.4516



9.1940, 0.3238, 0.4229



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.



19.2706, 0.3161, 0.5872



33.8953, 0.3148, 0.5883



18.8312, 0.2944, 0.5797



5.6778, 0.3159, 0.3513



17.1303, 0.3164, 0.5870



0.1208, 0.3484, 0.5616

Inverse Universe

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



4.4399, 0.2463, 0.1131



7.7377, 0.2448, 0.1122



6.7994, 0.3722, 0.1824



5.0533, 0.3092, 0.3071



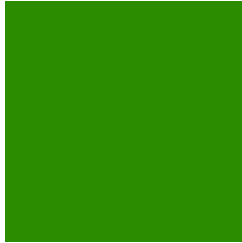
3.9542, 0.2466, 0.1132



0.0340, 0.2827, 0.1331

Previews

White Background



This preview shows how the Yxy color 19.2698, 0.3161, 0.5872 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 19.2698, 0.3161, 0.5872 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 19.2698, 0.3161, 0.5872

Background



This preview shows how black text looks on a background with the Yxy color 19.2698, 0.3161, 0.5872.



This preview shows how white text looks on a background with the Yxy color 19.2698, 0.3161, 0.5872.

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

19.2698, 0.3161, 0.5872

Protanopia

18.9090, 0.4396, 0.4892

Deuteranopia

19.0306, 0.4574, 0.4507



Tritanopia

19.2279, 0.2454, 0.3066

Trichromacy



Original Color

19.2698, 0.3161, 0.5872

Protanomaly

18.2631, 0.3849, 0.5326

Deuteranomaly

17.9071, 0.3974, 0.5080

Tritanomaly

18.7805, 0.2812, 0.4295

Monochromacy



Original Color

19.2698, 0.3161, 0.5872

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

13.2316, 0.3264, 0.4556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2698, 0.3161, 0.5872 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(43, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 140, 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(43, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 140, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.2698, 0.3161, 0.5872 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(43, 140, 0) }
```

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

```
.border{ border-color:rgb(43, 140, 0) }
```

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

Here you see how a box with a 4 pixel rgb(43, 140, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(43, 140, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.2698, 0.3161, 0.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 140, 0) }
```

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

```
.background{ background-color: rgb(43, 140,  
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](#).

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