

Converting Colors

$Y_{xy}(19.6441, 0.2956, 0.5842)$

Have a look what the booklet for
Yxy(19.6441, 0.2956, 0.5842)
contains.

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Color

Yxy(19.7028, 0.2957, 0.5845)

Conversions

Conversions Part 1

Format	Color
Hex	008F16
RGB	0, 143, 22
RGB Percent	0%, 56%, 9%
CMY	0.9999, 0.4392, 0.9136
CMYK	1.00, 0.00, 0.85, 0.44
HSL	129°, 100%, 28%
HSV	129°, 100%, 56%
XYZ	9.9677, 19.7028, 4.0383
YIQ	86.4490, -46.3870, -67.9470

Conversions

Conversions Part 2

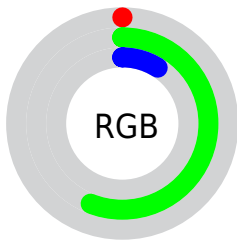
Format	Color
RYB	0, 124, 143
Decimal	36630
CIELab	51.50, -55.16, 49.68
CIELCh	51, 74.233, 137.991
Yxy	19.7028, 0.2957, 0.5845
Android (android.graphics.Color)	4278226710 (0xFF008F16)
YUV	86.4490, -31.7734, -75.8158
Hunter-Lab	44.3878, -37.5949, 25.6774

Details

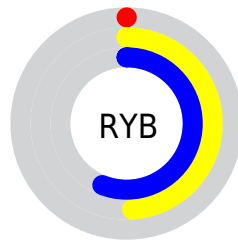
The Yxy color **19.7028, 0.2957, 0.5845** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.2204, 0.3631, 0.1774**, and the grayscale version is **9.4859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9167, 0.3081, 0.5204**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.7034, 0.2957, 0.5845**, and if you desaturate by 10%, it is **19.8576, 0.2945, 0.5678**.

Distribution



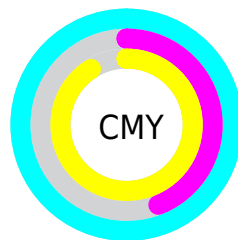
- Red (0%)
- Green (56%)
- Blue (9%)



- Red (0%)
- Yellow (49%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7028, 0.2957, 0.5845 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 19.7028, 0.2957, 0.5845 by changing the saturation by 10% instead.


 19.7028, 0.2957,
0.5845


 19.7028, 0.2957,
0.5845


250.3016, 0.3162,
0.4290


 12.1792, 0.2824,
0.6322


 42.9183, 0.3081,
0.5208


 6.8658, 0.2614,
0.7053


 59.3791, 0.3110,
0.4990


 3.3783, 0.2137,
0.7863

 79.5876, 0.3129,
0.4815

 1.3323, 0.0000,
1.0000

 103.9284, 0.3142,
0.4671


 0.1660, 0.0000,
1.0000


 132.7858, 0.3150,
0.4552


 0.0000, 0.0000,
0.0000


 166.5442, 0.3156,

0.4451


 205.5880, 0.3160,
0.4365


 19.7028, 0.2957,
0.5845


 19.7028, 0.2957,
0.5845


 19.7034, 0.2957,
0.5845

 19.8576, 0.2945,
0.5678

 20.1002, 0.2936,
0.5457

 20.4662, 0.2938,
0.5189

 20.9695, 0.2950,
0.4893

 21.6221, 0.2970,
0.4586

■ 22.4349, 0.2997,
0.4284

■ 23.4175, 0.3027,
0.3998

■ 24.5789, 0.3060,
0.3736

■ 25.9275, 0.3094,
0.3499

Harmonies

Analogous

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



19.7028, 0.4107, 0.5527



19.7028, 0.2957, 0.5845



19.7028, 0.1902, 0.4735

Triad

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



19.7028, 0.2957, 0.5845



19.7028, 0.1247, 0.1546



19.7028, 0.5384, 0.2952

Complementary

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



19.7028, 0.2957, 0.5845



7.2204, 0.3631, 0.1774

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.



19.7028, 0.4180, 0.2254



19.7028, 0.2957, 0.5845



19.7028, 0.1779, 0.1490

Square

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



19.7028, 0.2957, 0.5845



19.7028, 0.1078, 0.1989



19.7028, 0.2776, 0.1735



19.7028, 0.5683, 0.3726

Rectangle

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



19.7028, 0.2957, 0.5845



19.7028, 0.1416, 0.3569



19.7028, 0.2776, 0.1735



19.7028, 0.5060, 0.2708

Sweetspot

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



19.7036, 0.2957, 0.5845



41.8123, 0.3025, 0.4016



23.7506, 0.3936, 0.5256



9.4293, 0.3013, 0.4122



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.



19.7036, 0.2957, 0.5845



35.2681, 0.2964, 0.5870



20.4351, 0.2570, 0.4452



6.0421, 0.3097, 0.3481



17.4233, 0.2955, 0.5839



0.1686, 0.2798, 0.5274

Inverse Universe

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



7.2204, 0.3631, 0.1774



12.9089, 0.3641, 0.1780



6.0711, 0.5526, 0.2818



5.4970, 0.3159, 0.3106



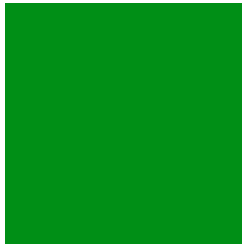
6.3860, 0.3629, 0.1773



0.0635, 0.3400, 0.1646

Previews

White Background



This preview shows how the Yxy color 19.7028, 0.2957, 0.5845 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 19.7028, 0.2957, 0.5845 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 19.7028, 0.2957, 0.5845

Background



This preview shows how black text looks on a background with the Yxy color 19.7028, 0.2957, 0.5845.



This preview shows how white text looks on a background with the Yxy color 19.7028, 0.2957, 0.5845.

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

19.7028, 0.2957, 0.5845

Protanopia

19.6066, 0.4348, 0.4828

Deuteranopia

19.3967, 0.4525, 0.4452



Tritanopia

19.7493, 0.2372, 0.3065

Trichromacy



Original Color

19.7028, 0.2957, 0.5845



Protanomaly

18.0836, 0.3603, 0.5378



Deuteranomaly

17.5674, 0.3687, 0.5120



Tritanomaly

19.2235, 0.2596, 0.4143

Monochromacy



Original Color

19.7028, 0.2957, 0.5845



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

11.6865, 0.2977, 0.4500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7028, 0.2957, 0.5845 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, 22)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 22) }
```

Border

The CSS property to change the border of an element to Yxy 19.7028, 0.2957, 0.5845 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, 22) }
```

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

```
.border{ border-color:rgb(0, 143, 22) }
```

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, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 22);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.7028, 0.2957, 0.5845 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, 22) }
```

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

```
.background{ background-color: rgb(0, 143,  
22) }
```

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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