

Converting Colors

$Yxy(19.0456, 0.2878, 0.5659)$

Have a look what the booklet for
Yxy(19.0456, 0.2878, 0.5659)
contains.

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Color

Yxy(19.1833, 0.2902, 0.5646)

Conversions

Conversions Part 1

Format	Color
Hex	008D25
RGB	0, 141, 37
RGB Percent	0%, 55%, 15%
CMY	0.9995, 0.4471, 0.8549
CMYK	1.00, 0.00, 0.74, 0.45
HSL	136°, 100%, 28%
HSV	136°, 100%, 55%
XYZ	9.8601, 19.1833, 4.9334
YIQ	86.9850, -50.6520, -62.2360

Conversions

Conversions Part 2

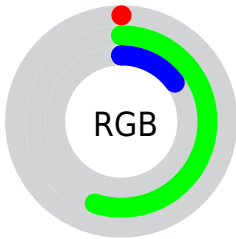
Format	Color
RYB	0, 112, 141
Decimal	36133
CIELab	50.90, -53.43, 44.05
CIELCh	51, 69.244, 140.499
Yxy	19.1833, 0.2902, 0.5646
Android (android.graphics.Color)	4278226213 (0xFF008D25)
YUV	86.9850, -24.6426, -76.2858
Hunter-Lab	43.7987, -36.4635, 23.9808

Details

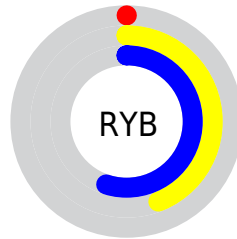
The Yxy color **19.1833, 0.2902, 0.5646** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.6678, 0.3984, 0.1969**, and the grayscale version is **9.5991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0693, 0.3022, 0.5053**, and **7.1448, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.1826, 0.2902, 0.5648**, and if you desaturate by 10%, it is **19.3535, 0.2881, 0.5449**.

Distribution



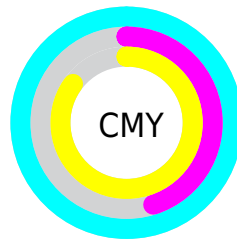
- Red (0%)
- Green (55%)
- Blue (15%)



- Red (0%)
- Yellow (44%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1833, 0.2902, 0.5646 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 19.1833, 0.2902, 0.5646 by changing the saturation by 10% instead.


 19.1833, 0.2902,
0.5646

 19.1833, 0.2902,
0.5646


247.4588, 0.3118,
0.4199


 11.8028, 0.2778,
0.6109


 42.0436, 0.3022,
0.5045


 6.6095, 0.2564,
0.6774


 58.2922, 0.3053,
0.4842


 3.2191, 0.2177,
0.7823

 78.2656, 0.3074,
0.4680

 1.2472, 0.0000,
1.0000

 102.3482, 0.3088,
0.4548

 0.0997, 0.0000,
1.0000

 130.9245, 0.3099,
0.4439

 0.0000, 0.0000,
0.0000

 164.3787, 0.3107,

0.4346

203.0954, 0.3113,
0.4267

■ 19.1833, 0.2902,
0.5646

■ 19.1833, 0.2902,
0.5646

■ 19.1826, 0.2902,
0.5648

■ 19.3535, 0.2881,
0.5449

■ 19.6050, 0.2867,
0.5218

■ 19.9713, 0.2868,
0.4959

■ 20.4652, 0.2882,
0.4687

■ 21.0977, 0.2908,
0.4414

■ 21.8783, 0.2944,
0.4149

■ 22.8161, 0.2986,
0.3902

■ 23.9190, 0.3032,
0.3675

■ 25.1948, 0.3080,
0.3470

Harmonies

Analogous

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



19.1833, 0.4009, 0.5490



19.1833, 0.2902, 0.5646



19.1833, 0.1904, 0.4507

Triad

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



19.1833, 0.2902, 0.5646



19.1833, 0.1350, 0.1604



19.1833, 0.5321, 0.3046

Complementary

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



19.1833, 0.2902, 0.5646



6.6678, 0.3984, 0.1969

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.



19.1833, 0.4237, 0.2356



19.1833, 0.2902, 0.5646



19.1833, 0.1903, 0.1572

Square

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



19.1833, 0.2902, 0.5646



19.1833, 0.1159, 0.2004



19.1833, 0.2901, 0.1833



19.1833, 0.5548, 0.3811

Rectangle

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



19.1833, 0.2902, 0.5646



19.1833, 0.1456, 0.3436



19.1833, 0.2901, 0.1833



19.1833, 0.5036, 0.2806

Sweetspot

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



19.1841, 0.2902, 0.5646



40.7259, 0.2983, 0.3920



22.1008, 0.3767, 0.5390



8.9520, 0.2967, 0.4009



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.



19.1841, 0.2902, 0.5646



34.3289, 0.2912, 0.5682



20.0866, 0.2472, 0.4098



6.0511, 0.3083, 0.3457



17.4934, 0.2900, 0.5641



0.1705, 0.2687, 0.4872

Inverse Universe

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



6.6678, 0.3984, 0.1969



11.9057, 0.4004, 0.1980



5.7891, 0.5875, 0.3011



5.4873, 0.3174, 0.3129



6.0791, 0.3981, 0.1967



0.0617, 0.3560, 0.1735

Previews

White Background



This preview shows how the Yxy color 19.1833, 0.2902, 0.5646 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 19.1833, 0.2902, 0.5646 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 19.1833, 0.2902, 0.5646

Background



This preview shows how black text looks on a background with the Yxy color 19.1833, 0.2902, 0.5646.



This preview shows how white text looks on a background with the Yxy color 19.1833, 0.2902, 0.5646.

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

19.1833, 0.2902, 0.5646

Protanopia

19.0133, 0.4271, 0.4707

Deuteranopia

18.9507, 0.4418, 0.4356



Tritanopia

19.3551, 0.2370, 0.3083

Trichromacy



Original Color

19.1833, 0.2902, 0.5646



Protanomaly

17.5801, 0.3532, 0.5202



Deuteranomaly

17.0765, 0.3617, 0.4954



Tritanomaly

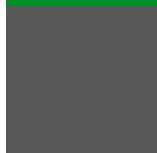
18.7207, 0.2552, 0.4006

Monochromacy



Original Color

19.1833, 0.2902, 0.5646



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.7573, 0.2913, 0.4331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1833, 0.2902, 0.5646 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, 141, 37)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 37)  
}
```

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, 141, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 37) }
```

Border

The CSS property to change the border of an element to Yxy 19.1833, 0.2902, 0.5646 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, 141, 37) }
```

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

```
.border{ border-color:rgb(0, 141, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 141, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 37);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 37)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.1833, 0.2902, 0.5646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 37) }
```

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

```
.background{ background-color: rgb(0, 141,  
37) }
```

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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