

Converting Colors

$Yxy(19.8363, 0.2829, 0.5383)$

Have a look what the booklet for
Yxy(19.8363, 0.2829, 0.5383)
contains.

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Color

Yxy(19.9020, 0.2826, 0.5375)

Conversions

Conversions Part 1

Format	Color
Hex	008F35
RGB	0, 143, 53
RGB Percent	0%, 56%, 21%
CMY	1.0000, 0.4392, 0.7920
CMYK	1.00, 0.00, 0.63, 0.44
HSL	142°, 100%, 28%
HSV	142°, 100%, 56%
XYZ	10.4638, 19.9020, 6.6612
YIQ	89.9830, -56.3380, -58.3060

Conversions

Conversions Part 2

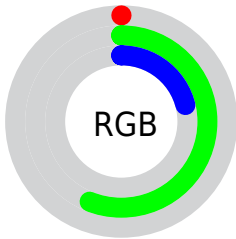
Format	Color
RYB	0, 104, 143
Decimal	36661
CIELab	51.73, -52.29, 37.96
CIELCh	52, 64.615, 144.018
Yxy	19.9020, 0.2826, 0.5375
Android (android.graphics.Color)	4278226741 (0xFF008F35)
YUV	89.9830, -18.2326, -78.9151
Hunter-Lab	44.6117, -36.2026, 22.3753

Details

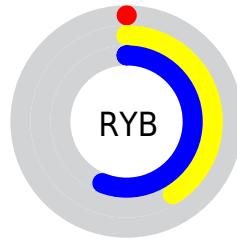
The Yxy color **19.9020, 0.2826, 0.5375** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.5780, 0.4392, 0.2193**, and the grayscale version is **10.2730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2523, 0.2943, 0.4841**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.9040, 0.2826, 0.5375**, and if you desaturate by 10%, it is **20.0906, 0.2801, 0.5173**.

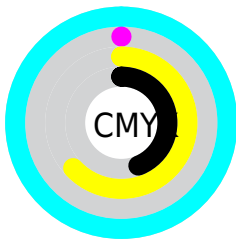
Distribution



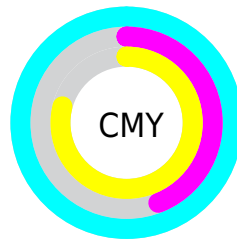
- Red (0%)
- Green (56%)
- Blue (21%)



- Red (0%)
- Yellow (41%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9020, 0.2826, 0.5375 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 19.9020, 0.2826, 0.5375 by changing the saturation by 10% instead.


 19.9020, 0.2826,
0.5375

 19.9020, 0.2826,
0.5375


251.3841, 0.3063,
0.4096


 12.3238, 0.2714,
0.5793


 43.2528, 0.2944,
0.4841


 6.9646, 0.2521,
0.6392


 59.7943, 0.2978,
0.4662


 3.4400, 0.2289,
0.7711

 80.0922, 0.3002,
0.4520

 1.3655, 0.0000,
1.0000

 104.5312, 0.3020,
0.4403

 0.1911, 0.0000,
1.0000

 133.4954, 0.3035,
0.4307

 0.0000, 0.0000,
0.0000

 167.3694, 0.3046,

0.4226

206.5375, 0.3055,
0.4156

■ 19.9020, 0.2826,
0.5375

■ 19.9020, 0.2826,
0.5375

■ 19.9040, 0.2826,
0.5375

■ 20.0906, 0.2801,
0.5173

■ 20.3574, 0.2787,
0.4953

■ 20.7377, 0.2790,
0.4718

■ 21.2441, 0.2810,
0.4480

■ 21.8875, 0.2844,
0.4245

■ 22.6777, 0.2889,
0.4020

■ 23.6232, 0.2943,
0.3811

■ 24.7322, 0.3002,
0.3619

■ 26.0122, 0.3064,
0.3445

Harmonies

Analogous

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



19.9020, 0.3875, 0.5412



19.9020, 0.2826, 0.5375



19.9020, 0.1909, 0.4234

Triad

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



19.9020, 0.2826, 0.5375



19.9020, 0.1491, 0.1682



19.9020, 0.5230, 0.3167

Complementary

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



19.9020, 0.2826, 0.5375



6.5780, 0.4392, 0.2193

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.



19.9020, 0.4300, 0.2491



19.9020, 0.2826, 0.5375



19.9020, 0.2071, 0.1682

Square

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



19.9020, 0.2826, 0.5375



19.9020, 0.1269, 0.2028



19.9020, 0.3060, 0.1964



19.9020, 0.5368, 0.3914

Rectangle

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



19.9020, 0.2826, 0.5375



19.9020, 0.1510, 0.3281



19.9020, 0.3060, 0.1964



19.9020, 0.4995, 0.2932

Sweetspot

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



19.9040, 0.2826, 0.5375



42.1858, 0.2939, 0.3823



21.8491, 0.3576, 0.5543



9.5212, 0.2918, 0.3901



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.



19.9040, 0.2826, 0.5375



35.6110, 0.2837, 0.5412



21.1004, 0.2362, 0.3704



6.0604, 0.3069, 0.3432



17.6011, 0.2824, 0.5366



0.1723, 0.2592, 0.4529

Inverse Universe

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



6.5780, 0.4392, 0.2193



11.7452, 0.4423, 0.2210



5.8874, 0.6192, 0.3185



5.4776, 0.3190, 0.3152



5.8198, 0.4384, 0.2189



0.0599, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 19.9020, 0.2826, 0.5375 looks on a white background.

Color Contrast Check

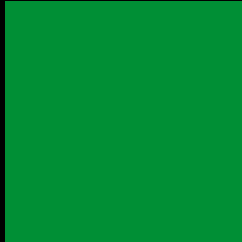
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9020, 0.2826, 0.5375 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 19.9020, 0.2826, 0.5375

Background



This preview shows how black text looks on a background with the Yxy color 19.9020, 0.2826, 0.5375.



This preview shows how white text looks on a background with the Yxy color 19.9020, 0.2826, 0.5375.

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

19.9020, 0.2826, 0.5375

Protanopia

19.6895, 0.4151, 0.4563

Deuteranopia

19.6388, 0.4270, 0.4200



Tritanopia

19.9644, 0.2353, 0.3066

Trichromacy



Original Color

19.9020, 0.2826, 0.5375



Protanomaly

18.2133, 0.3421, 0.4997



Deuteranomaly

17.7140, 0.3480, 0.4724



Tritanomaly

19.4362, 0.2497, 0.3853

Monochromacy



Original Color

19.9020, 0.2826, 0.5375



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

12.3430, 0.2851, 0.4143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9020, 0.2826, 0.5375 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 53) }
```

Border

The CSS property to change the border of an element to Yxy 19.9020, 0.2826, 0.5375 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, 53) }
```

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

```
.border{ border-color:rgb(0, 143, 53) }
```

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, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.9020, 0.2826, 0.5375 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, 53) }
```

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

```
.background{ background-color: rgb(0, 143,  
53) }
```

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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