

Converting Colors

$Y_{xy}(19.3034, 0.2756, 0.5240)$

Have a look what the booklet for
Yxy(19.3034, 0.2756, 0.5240)
contains.

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Color

$\text{Yxy}(19.3655, 0.2787, 0.5232)$

Conversions

Conversions Part 1

Format	Color
Hex	008D3B
RGB	0, 141, 59
RGB Percent	0%, 55%, 23%
CMY	0.9994, 0.4471, 0.7686
CMYK	1.00, 0.00, 0.58, 0.45
HSL	145°, 100%, 28%
HSV	145°, 100%, 55%
XYZ	10.3157, 19.3655, 7.3324
YIQ	89.4930, -57.7140, -55.3940

Conversions

Conversions Part 2

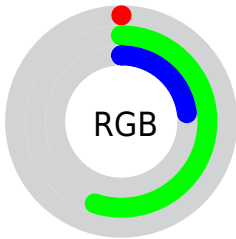
Format	Color
RYB	0, 99, 141
Decimal	36155
CIELab	51.11, -50.78, 34.34
CIELCh	51, 61.298, 145.928
Yxy	19.3655, 0.2787, 0.5232
Android (android.graphics.Color)	4278226235 (0xFF008D3B)
YUV	89.4930, -15.0330, -78.4854
Hunter-Lab	44.0062, -35.1680, 20.9254

Details

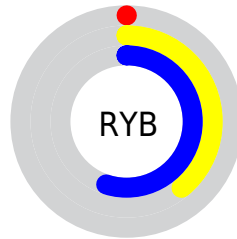
The Yxy color **19.3655, 0.2787, 0.5232** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.2771, 0.4575, 0.2295**, and the grayscale version is **10.1592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4230, 0.2904, 0.4726**, and **7.1645, 0.2960, 0.5855** is the 20% darker color. If you saturate the color by 10%, you get **19.3645, 0.2787, 0.5234**, and if you desaturate by 10%, it is **19.5527, 0.2763, 0.5035**.

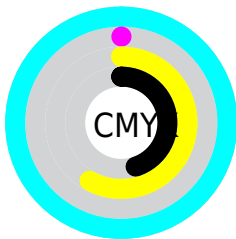
Distribution



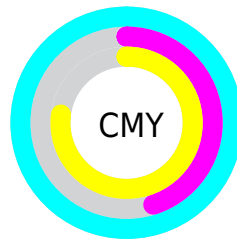
- Red (0%)
- Green (55%)
- Blue (23%)



- Red (0%)
- Yellow (39%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3655, 0.2787, 0.5232 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 19.3655, 0.2787, 0.5232 by changing the saturation by 10% instead.


 19.3655, 0.2787,
0.5232


 19.3655, 0.2787,
0.5232


248.4592, 0.3037,
0.4037

 11.9347, 0.2676,
0.5630


 42.3508, 0.2907,
0.4730


 6.6992, 0.2490,
0.6210


 58.6741, 0.2942,
0.4563


 3.2747, 0.2245,
0.7428

 78.7303, 0.2968,
0.4430

 1.2768, 0.0000,
1.0000

 102.9038, 0.2989,
0.4322

 0.1231, 0.0000,
1.0000

 131.5791, 0.3005,
0.4232

 0.0000, 0.0000,
0.0000

 165.1405, 0.3017,

0.4157

203.9724, 0.3028,
0.4092

■ 19.3655, 0.2787,
0.5232

■ 19.3655, 0.2787,
0.5232

■ 19.3645, 0.2787,
0.5234

■ 19.5527, 0.2763,
0.5035

■ 19.8151, 0.2751,
0.4824

■ 20.1855, 0.2756,
0.4604

■ 20.6759, 0.2779,
0.4383

■ 21.2967, 0.2817,
0.4166

■ 22.0570, 0.2867,
0.3960

■ 22.9652, 0.2926,
0.3768

■ 24.0288, 0.2990,
0.3591

■ 25.2550, 0.3058,
0.3431

Harmonies

Analogous

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



19.3655, 0.3804, 0.5358



19.3655, 0.2787, 0.5232



19.3655, 0.1913, 0.4104

Triad

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



19.3655, 0.2787, 0.5232



19.3655, 0.1567, 0.1725



19.3655, 0.5178, 0.3228

Complementary

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



19.3655, 0.2787, 0.5232



6.2771, 0.4575, 0.2295

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.



19.3655, 0.4326, 0.2560



19.3655, 0.2787, 0.5232



19.3655, 0.2159, 0.1741

Square

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



19.3655, 0.2787, 0.5232



19.3655, 0.1329, 0.2043



19.3655, 0.3139, 0.2033



19.3655, 0.5274, 0.3963

Rectangle

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



19.3655, 0.2787, 0.5232



19.3655, 0.1540, 0.3209



19.3655, 0.3139, 0.2033



19.3655, 0.4967, 0.2996

Sweetspot

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



19.3663, 0.2787, 0.5232



40.9965, 0.2921, 0.3781



20.8576, 0.3500, 0.5602



9.0172, 0.2899, 0.3851



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.



19.3663, 0.2787, 0.5232



34.6469, 0.2798, 0.5272



20.6424, 0.2317, 0.3542



6.0644, 0.3063, 0.3421



17.6600, 0.2785, 0.5227



0.1731, 0.2555, 0.4398

Inverse Universe

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



6.2771, 0.4575, 0.2295



11.2000, 0.4613, 0.2315



5.6921, 0.6278, 0.3233



5.4734, 0.3197, 0.3163



5.7231, 0.4570, 0.2291



0.0591, 0.3848, 0.1894

Previews

White Background



This preview shows how the Yxy color 19.3655, 0.2787, 0.5232 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 19.3655, 0.2787, 0.5232 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 19.3655, 0.2787, 0.5232

Background



This preview shows how black text looks on a background with the Yxy color 19.3655, 0.2787, 0.5232.



This preview shows how white text looks on a background with the Yxy color 19.3655, 0.2787, 0.5232.

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

19.3655, 0.2787, 0.5232

Protanopia

19.0827, 0.4093, 0.4471

Deuteranopia

19.1800, 0.4185, 0.4129



Tritanopia

19.3265, 0.2352, 0.3063

Trichromacy



Original Color

19.3655, 0.2787, 0.5232



Protanomaly

17.6926, 0.3372, 0.4871



Deuteranomaly

17.4058, 0.3413, 0.4625



Tritanomaly

18.8729, 0.2488, 0.3812

Monochromacy



Original Color

19.3655, 0.2787, 0.5232



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

12.3716, 0.2830, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3655, 0.2787, 0.5232 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 59) }
```

Border

The CSS property to change the border of an element to Yxy 19.3655, 0.2787, 0.5232 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, 59) }
```

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

```
.border{ border-color:rgb(0, 141, 59) }
```

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, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 59);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 59)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.3655, 0.2787, 0.5232 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, 59) }
```

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

```
.background{ background-color: rgb(0, 141,  
59) }
```

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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