

Converting Colors

$Yxy(18.3881, 0.2368, 0.4363)$

Have a look what the booklet for
Yxy(18.3881, 0.2368, 0.4363)
contains.

Yxy(19.0032, 0.2531, 0.4313)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.0032, 0.2531, 0.4313)

Conversions

Conversions Part 1

Format	Color
Hex	008A5F
RGB	0, 138, 95
RGB Percent	0%, 54%, 37%
CMY	1.0000, 0.4588, 0.6275
CMYK	1.00, 0.00, 0.31, 0.46
HSL	161°, 100%, 27%
HSV	161°, 100%, 54%
XYZ	11.1517, 19.0032, 13.9054
YIQ	91.8360, -68.4450, -42.6290

Conversions

Conversions Part 2

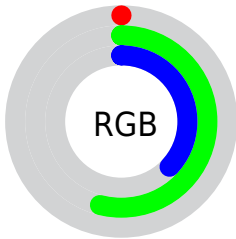
Format	Color
RYB	0, 82, 138
Decimal	35423
CIELab	50.69, -42.68, 14.27
CIELCh	51, 45.005, 161.518
Yxy	19.0032, 0.2531, 0.4313
Android (android.graphics.Color)	4278225503 (0xFF008A5F)
YUV	91.8360, 1.5599, -80.5402
Hunter-Lab	43.5927, -30.6242, 11.6022

Details

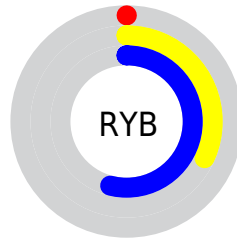
The Yxy color **19.0032, 0.2531, 0.4313** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.5785, 0.5662, 0.2893**, and the grayscale version is **10.6719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5684, 0.2675, 0.4042**, and **7.0381, 0.2632, 0.4675** is the 20% darker color. If you saturate the color by 10%, you get **19.0054, 0.2531, 0.4313**, and if you desaturate by 10%, it is **19.1776, 0.2525, 0.4198**.

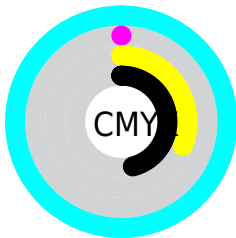
Distribution



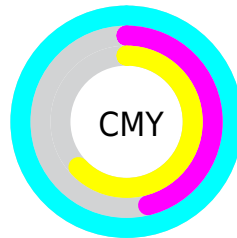
- Red (0%)
- Green (54%)
- Blue (37%)



- Red (0%)
- Yellow (32%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (46%)




- Cyan (100%)
- Magenta (46%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0032, 0.2531, 0.4313 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 19.0032, 0.2531, 0.4313 by changing the saturation by 10% instead.


 19.0032, 0.2531,
0.4313


 19.0032, 0.2531,
0.4313


246.4664, 0.2887,
0.3695


 11.6726, 0.2415,
0.4520


 41.7395, 0.2678,
0.4055


 6.5211, 0.2244,
0.4828


 57.9140, 0.2728,
0.3968


 3.1645, 0.1972,
0.5331

 77.8052, 0.2767,
0.3900

 1.2182, 0.0521,
0.7650

 101.7976, 0.2800,
0.3844

 0.0765, 0.0000,
1.0000

 130.2755, 0.2827,
0.3797

 0.0000, 0.0000,
0.0000

 163.6234, 0.2850,

0.3758

202.2255, 0.2870,
0.3724

■ 19.0032, 0.2531,
0.4313

■ 19.0032, 0.2531,
0.4313

■ 19.0054, 0.2531,
0.4313

■ 19.1776, 0.2525,
0.4198

■ 19.4119, 0.2531,
0.4082

■ 19.7396, 0.2557,
0.3967

■ 20.1716, 0.2600,
0.3853

■ 20.7173, 0.2661,
0.3743

■ 21.3851, 0.2736,
0.3639

■ 22.1824, 0.2823,
0.3540

■ 23.1162, 0.2919,
0.3449

■ 24.1929, 0.3021,
0.3366

Harmonies

Analogous

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



19.0032, 0.3307, 0.4834



19.0032, 0.2531, 0.4313



19.0032, 0.1961, 0.3400

Triad

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



19.0032, 0.2531, 0.4313



19.0032, 0.2116, 0.2030



19.0032, 0.4789, 0.3613

Complementary

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



19.0032, 0.2531, 0.4313



5.5785, 0.5662, 0.2893

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.



19.0032, 0.4404, 0.3020



19.0032, 0.2531, 0.4313



19.0032, 0.2759, 0.2159

Square

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



19.0032, 0.2531, 0.4313



19.0032, 0.1765, 0.2163



19.0032, 0.3612, 0.2509



19.0032, 0.4638, 0.4220

Rectangle

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



19.0032, 0.2531, 0.4313



19.0032, 0.1756, 0.2840



19.0032, 0.3612, 0.2509



19.0032, 0.4721, 0.3411

Sweetspot

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



19.0054, 0.2531, 0.4313



38.9982, 0.2817, 0.3547



18.7082, 0.3171, 0.5864



8.6278, 0.2784, 0.3582



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.0054, 0.2531, 0.4313



33.4669, 0.2538, 0.4336



13.5801, 0.2085, 0.2707



5.6625, 0.3030, 0.3359



17.4258, 0.2530, 0.4309



0.1184, 0.2385, 0.3786

Inverse Universe

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



5.5785, 0.5662, 0.2893



9.8062, 0.5715, 0.2922



6.1122, 0.6172, 0.3481



5.0726, 0.3235, 0.3222



5.1164, 0.5652, 0.2887



0.0364, 0.4598, 0.2307

Previews

White Background



This preview shows how the Yxy color 19.0032, 0.2531, 0.4313 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 19.0032, 0.2531, 0.4313 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 19.0032, 0.2531, 0.4313

Background



This preview shows how black text looks on a background with the Yxy color 19.0032, 0.2531, 0.4313.



This preview shows how white text looks on a background with the Yxy color 19.0032, 0.2531, 0.4313.

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

19.0032, 0.2531, 0.4313

Protanopia

18.7882, 0.3644, 0.3914

Deuteranopia

18.8998, 0.3636, 0.3580



Tritanopia

19.0900, 0.2305, 0.3060

Trichromacy



Original Color

19.0032, 0.2531, 0.4313



Protanomaly

17.7108, 0.3001, 0.4115



Deuteranomaly

17.3719, 0.2985, 0.3860



Tritanomaly

18.8326, 0.2360, 0.3465

Monochromacy



Original Color

19.0032, 0.2531, 0.4313



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

12.6574, 0.2703, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0032, 0.2531, 0.4313 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, 138, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 95)  
}
```

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, 138, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 95) }
```

Border

The CSS property to change the border of an element to Yxy 19.0032, 0.2531, 0.4313 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, 138, 95) }
```

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

```
.border{ border-color:rgb(0, 138, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 95)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.0032, 0.2531, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 95) }
```

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

```
.background{ background-color: rgb(0, 138,  
95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor