

Converting Colors

$Y_{xy}(19.0501, 0.3026, 0.5520)$

Have a look what the booklet for
Yxy(19.0501, 0.3026, 0.5520)
contains.

Yxy(19.0431, 0.3023, 0.5516)	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(19.0431, 0.3023, 0.5516)

Conversions

Conversions Part 1

Format	Color
Hex	278B27
RGB	39, 139, 39
RGB Percent	15%, 55%, 15%
CMY	0.8469, 0.4549, 0.8471
CMYK	0.72, 0.00, 0.72, 0.45
HSL	120°, 56%, 35%
HSV	120°, 72%, 55%
XYZ	10.4364, 19.0431, 5.0439
YIQ	97.7000, -27.5000, -52.3000

Conversions

Conversions Part 2

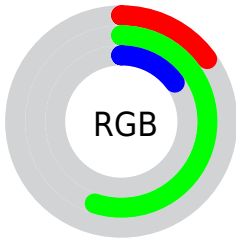
Format	Color
RYB	39, 139, 139
Decimal	2591527
CIELab	50.74, -48.23, 43.24
CIELCh	51, 64.776, 138.128
Yxy	19.0431, 0.3023, 0.5516
Android (android.graphics.Color)	4280781607 (0xFF278B27)
YUV	97.7000, -28.9391, -51.4799
Hunter-Lab	43.6384, -33.6777, 23.6940

Details

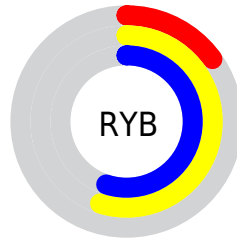
The Yxy color **19.0431, 0.3023, 0.5516** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.7993, 0.3198, 0.1756**, and the grayscale version is **12.2166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0311, 0.3112, 0.4955**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.7445, 0.3012, 0.5753**, and if you desaturate by 10%, it is **19.4765, 0.3037, 0.5217**.

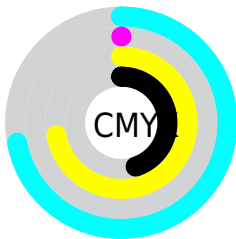
Distribution



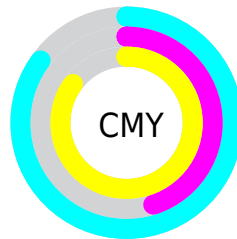
- Red (15%)
- Green (55%)
- Blue (15%)



- Red (15%)
- Yellow (55%)
- Blue (55%)



- Cyan (72%)
- Magenta (0%)
- Yellow (72%)
- Black (45%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0431, 0.3023, 0.5516 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 19.0431, 0.3023, 0.5516 by changing the saturation by 10% instead.


 19.0431, 0.3023,
0.5516


 19.0431, 0.3023,
0.5516


246.6866, 0.3163,
0.4155


 11.7014, 0.2925,
0.5949


 41.8069, 0.3110,
0.4952

 6.5407, 0.2747,
0.6568


 57.9978, 0.3130,
0.4762


 3.1766, 0.2422,
0.7578


 77.9073, 0.3143,
0.4610

 1.2246, 0.0000,
1.0000

 101.9197, 0.3151,
0.4485

 0.0817, 0.0000,
1.0000

 130.4195, 0.3156,
0.4382

 0.0000, 0.0000,
0.0000

 163.7909, 0.3159,

0.4294

202.4185, 0.3161,
0.4220

■ 19.0431, 0.3023,
0.5516

■ 19.0431, 0.3023,
0.5516

■ 18.7445, 0.3012,
0.5753

■ 19.4765, 0.3037,
0.5217

■ 18.5629, 0.3004,
0.5911

■ 20.0552, 0.3053,
0.4881

■ 18.4658, 0.3000,
0.6000

■ 20.7917, 0.3069,
0.4534

■ 21.6963, 0.3085,
0.4194

■ 22.7784, 0.3100,
0.3877

■ 24.0469, 0.3113,
0.3590

■ 25.5099, 0.3125,
0.3336

■ 27.1751, 0.3135,
0.3114

■ 29.0498, 0.3144,
0.2921

Harmonies

Analogous

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



19.0431, 0.4079, 0.5337



19.0431, 0.3023, 0.5516



19.0431, 0.2045, 0.4539

Triad

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



19.0431, 0.3023, 0.5516



19.0431, 0.1401, 0.1699



19.0431, 0.5135, 0.3020

Complementary

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



19.0431, 0.3023, 0.5516



8.7993, 0.3198, 0.1756

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.



19.0431, 0.4074, 0.2358



19.0431, 0.3023, 0.5516



19.0431, 0.1908, 0.1639

Square

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



19.0431, 0.3023, 0.5516



19.0431, 0.1242, 0.2130



19.0431, 0.2829, 0.1870



19.0431, 0.5439, 0.3759

Rectangle

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



19.0431, 0.3023, 0.5516



19.0431, 0.1584, 0.3551



19.0431, 0.2829, 0.1870



19.0431, 0.4846, 0.2788

Sweetspot

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



19.0439, 0.3023, 0.5516



40.6813, 0.3099, 0.3893



23.6218, 0.4079, 0.4816



9.2631, 0.3096, 0.3966



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.



19.0439, 0.3023, 0.5516



33.3519, 0.3007, 0.5856



19.5900, 0.2705, 0.4489



5.6083, 0.3117, 0.3515



16.6661, 0.3000, 0.6000



0.1107, 0.3001, 0.5999

Inverse Universe

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



8.7993, 0.3198, 0.1756



13.8691, 0.3205, 0.1602



7.6889, 0.4200, 0.2438



5.1289, 0.3137, 0.3074



6.6313, 0.3208, 0.1541



0.0441, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 19.0431, 0.3023, 0.5516 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 19.0431, 0.3023, 0.5516 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 19.0431, 0.3023, 0.5516

Background



This preview shows how black text looks on a background with the Yxy color 19.0431, 0.3023, 0.5516.



This preview shows how white text looks on a background with the Yxy color 19.0431, 0.3023, 0.5516.

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

19.0431, 0.3023, 0.5516

Protanopia

18.6993, 0.4257, 0.4684

Deuteranopia

18.6376, 0.4408, 0.4337



Tritanopia

19.0520, 0.2433, 0.3084

Trichromacy



Original Color

19.0431, 0.3023, 0.5516



Protanomaly

18.0154, 0.3694, 0.5056



Deuteranomaly

17.6066, 0.3786, 0.4808



Tritanomaly

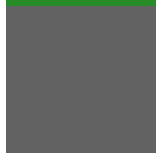
18.6242, 0.2669, 0.3970

Monochromacy



Original Color

19.0431, 0.3023, 0.5516



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

13.9239, 0.3086, 0.4169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0431, 0.3023, 0.5516 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(39, 139, 39)` looks like.

```
.text, #text, p{  
  color:rgb(39, 139, 39)  
}
```

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(39, 139, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 139, 39) }
```

Border

The CSS property to change the border of an element to Yxy 19.0431, 0.3023, 0.5516 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(39, 139, 39) }
```

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

```
.border{ border-color:rgb(39, 139, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 139, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 139, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 139, 39);  
box-shadow:4px 4px 4px 4px rgb(39, 139,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0431, 0.3023, 0.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 139, 39) }
```

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

```
.background{ background-color: rgb(39, 139,  
39) }
```

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