

Converting Colors

$Yxy(16.5305, 0.2997, 0.4029)$

Have a look what the booklet for
Yxy(16.5305, 0.2997, 0.4029)
contains.

Yxy(16.4511, 0.3001, 0.4019)	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(16.4511, 0.3001, 0.4019)

Conversions

Conversions Part 1

Format	Color
Hex	527A5A
RGB	82, 122, 90
RGB Percent	32%, 48%, 35%
CMY	0.6784, 0.5216, 0.6471
CMYK	0.33, 0.00, 0.26, 0.52
HSL	132°, 20%, 40%
HSV	132°, 33%, 48%
XYZ	12.2841, 16.4511, 12.1981
YIQ	106.3920, -13.5680, -18.4320

Conversions

Conversions Part 2

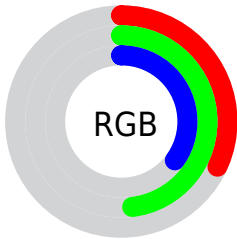
Format	Color
R_{YB}	82, 115, 122
Decimal	5405274
CIE _{Lab}	47.56, -21.17, 13.17
CIE _{LCh}	48, 24.936, 148.110
Yxy	16.4511, 0.3001, 0.4019
Android (android.graphics.Color)	4283595354 (0xFF527A5A)
YUV	106.3920, -8.0813, -21.3918
Hunter-Lab	40.5600, -16.9190, 10.5609

Details

The Yxy color **16.4511, 0.3001, 0.4019** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.3873, 0.3286, 0.2658**, and the grayscale version is **14.5517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5399, 0.3042, 0.3840**, and **5.3043, 0.2928, 0.4400** is the 20% darker color. If you saturate the color by 10%, you get **15.7971, 0.2967, 0.4289**, and if you desaturate by 10%, it is **17.2255, 0.3038, 0.3769**.

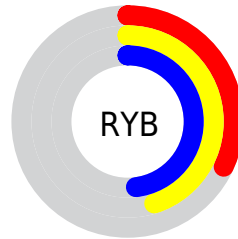
Distribution



Red (32%)

Green (48%)

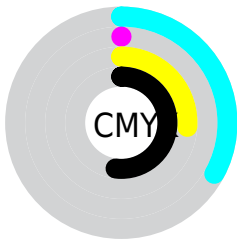
Blue (35%)



Red (32%)

Yellow (45%)

Blue (48%)

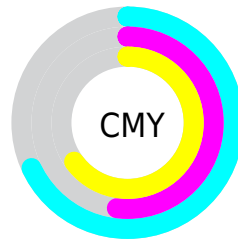


Cyan (33%)

Magenta (0%)

Yellow (26%)

Black (52%)



Cyan (68%)


Magenta (52%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4511, 0.3001, 0.4019 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 16.4511, 0.3001, 0.4019 by changing the saturation by 10% instead.


 16.4511, 0.3001,
0.4019


 16.4511, 0.3001,
0.4019


231.9890, 0.3083,
0.3576


 9.8439, 0.2970,
0.4169


 37.3796, 0.3037,
0.3833


 5.2956, 0.2919,
0.4397

 52.4697, 0.3049,
0.3771


 2.4217, 0.2825,
0.4778

 71.1562, 0.3058,
0.3722

 0.8370, 0.2498,
0.7502

 93.8235, 0.3065,
0.3682

 0.0000, 0.0000,
0.0000

 120.8561, 0.3071,
0.3649

152.6383, 0.3076,

0.3621

189.5545, 0.3080,
0.3597

■ 16.4511, 0.3001,
0.4019

■ 16.4511, 0.3001,
0.4019

■ 15.7971, 0.2967,
0.4289

■ 17.2255, 0.3038,
0.3769

■ 15.2556, 0.2938,
0.4573

■ 18.1240, 0.3077,
0.3544

■ 14.8207, 0.2918,
0.4863

■ 19.1523, 0.3116,
0.3342

■ 14.4851, 0.2908,
0.5143

■ 20.3155, 0.3155,
0.3164

■ 14.2407, 0.2909,
0.5400

■ 21.6181, 0.3191,
0.3008

■ 14.0779, 0.2922,
0.5618

■ 23.0646, 0.3226,
0.2872

■ 13.9875, 0.2931,
0.5750

■ 24.6593, 0.3258,
0.2753

■ 26.4063, 0.3289,
0.2650

■ 28.3093, 0.3317,
0.2561

Harmonies

Analogous

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



16.4511, 0.3488, 0.4185



16.4511, 0.3001, 0.4019



16.4511, 0.2570, 0.3599

Triad

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



16.4511, 0.3001, 0.4019



16.4511, 0.2381, 0.2528



16.4511, 0.4030, 0.3364

Complementary

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



16.4511, 0.3001, 0.4019



11.3873, 0.3286, 0.2658

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.



16.4511, 0.3687, 0.2987



16.4511, 0.3001, 0.4019



16.4511, 0.2720, 0.2523

Square

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



16.4511, 0.3001, 0.4019



16.4511, 0.2234, 0.2725



16.4511, 0.3195, 0.2689



16.4511, 0.4104, 0.3751

Rectangle

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



16.4511, 0.3001, 0.4019



16.4511, 0.2367, 0.3267



16.4511, 0.3195, 0.2689



16.4511, 0.3942, 0.3233

Sweetspot

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



16.4518, 0.3001, 0.4019



32.3225, 0.3087, 0.3490



18.1517, 0.3499, 0.4095



7.3460, 0.3083, 0.3513



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.4518, 0.3001, 0.4019



28.0975, 0.2976, 0.4210



16.8252, 0.2803, 0.3568



4.4619, 0.3092, 0.3466



14.7246, 0.2932, 0.5754



70.1378, 0.2951, 0.5825

Inverse Universe

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



11.3873, 0.3286, 0.2658



17.7943, 0.3330, 0.2520



10.9923, 0.3611, 0.3031



4.0644, 0.3164, 0.3120



5.2761, 0.3768, 0.1849



25.0449, 0.3802, 0.1868

Previews

White Background



This preview shows how the Yxy color 16.4511, 0.3001, 0.4019 looks on a white 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

Black Background



This preview shows how the Yxy color 16.4511, 0.3001, 0.4019 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.4511, 0.3001, 0.4019

Background



This preview shows how black text looks on a background with the Yxy color 16.4511, 0.3001, 0.4019.



This preview shows how white text looks on a background with the Yxy color 16.4511, 0.3001, 0.4019.

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

16.4511, 0.3001, 0.4019

Protanopia

16.2533, 0.3572, 0.3814

Deuteranopia

16.2613, 0.3642, 0.3580



Tritanopia

16.3787, 0.2691, 0.3080

Trichromacy



Original Color

16.4511, 0.3001, 0.4019

Protanomaly

16.2431, 0.3346, 0.3907

Deuteranomaly

16.0937, 0.3390, 0.3725

Tritanomaly

16.3870, 0.2793, 0.3398

Monochromacy



Original Color

16.4511, 0.3001, 0.4019

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.0498, 0.3075, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4511, 0.3001, 0.4019 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(82, 122, 90)` looks like.

```
.text, #text, p{  
    color:rgb(82, 122, 90)  
}
```

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(82, 122, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 90) }
```

Border

The CSS property to change the border of an element to Yxy 16.4511, 0.3001, 0.4019 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(82, 122, 90) }
```

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

```
.border{ border-color:rgb(82, 122, 90) }
```

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

Here you see how a box with a 4 pixel rgb(82, 122, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 90);  
box-shadow:4px 4px 4px 4px rgb(82, 122,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4511, 0.3001, 0.4019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 90) }
```

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

```
.background{ background-color: rgb(82, 122,  
90) }
```

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