

Converting Colors

$Y_{xy}(16.1485, 0.2639, 0.4153)$

Have a look what the booklet for
Yxy(16.1485, 0.2639, 0.4153)
contains.

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Color

Yxy(16.1485, 0.2639, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	297E5B
RGB	41, 126, 91
RGB Percent	16%, 49%, 36%
CMY	0.8395, 0.5058, 0.6431
CMYK	0.68, 0.00, 0.28, 0.51
HSL	155°, 51%, 33%
HSV	155°, 68%, 49%
XYZ	10.2615, 16.1485, 12.4740
YIQ	96.5950, -39.4250, -28.9050

Conversions

Conversions Part 2

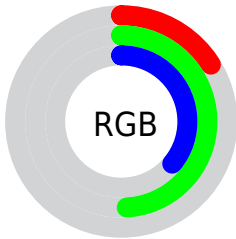
Format	Color
RYB	41, 95, 126
Decimal	2719323
CIELab	47.17, -34.20, 11.78
CIElCh	47, 36.167, 160.998
Yxy	16.1485, 0.2639, 0.4153
Android (android.graphics.Color)	4280909403 (0xFF297E5B)
YUV	96.5950, -2.7583, -48.7568
Hunter-Lab	40.1852, -24.7433, 9.7253

Details

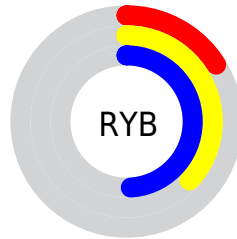
The Yxy color **16.1485, 0.2639, 0.4153** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.5380, 0.4321, 0.2641**, and the grayscale version is **11.8593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7047, 0.2766, 0.3926**, and **5.3583, 0.2598, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **15.8443, 0.2616, 0.4307**, and if you desaturate by 10%, it is **16.5431, 0.2680, 0.4002**.

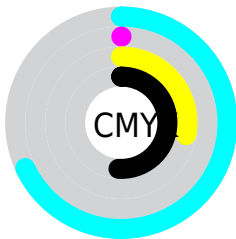
Distribution



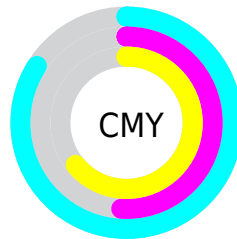
- Red (16%)
- Green (49%)
- Blue (36%)



- Red (16%)
- Yellow (37%)
- Blue (49%)



- Cyan (68%)
- Magenta (0%)
- Yellow (28%)
- Black (51%)




- Cyan (84%)
- Magenta (51%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1485, 0.2639, 0.4153 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 16.1485, 0.2639, 0.4153 by changing the saturation by 10% instead.


 16.1485, 0.2639,
0.4153


 16.1485, 0.2639,
0.4153

 230.2164, 0.2936,
0.3623


 9.6293, 0.2538,
0.4336


 36.8558, 0.2764,
0.3928


 5.1539, 0.2386,
0.4616

 51.8127, 0.2805,
0.3855


 2.3378, 0.2131,
0.5092

 70.3510, 0.2838,
0.3796

 0.7936, 0.0000,
0.9511

 92.8550, 0.2865,
0.3749

 0.0000, 0.0000,
0.0000

 119.7091, 0.2887,
0.3709

 151.2978, 0.2906,

0.3676

188.0054, 0.2922,
0.3648

■ 16.1485, 0.2639,
0.4153

■ 16.1485, 0.2639,
0.4153

■ 15.8443, 0.2616,
0.4307

■ 16.5431, 0.2680,
0.4002

■ 15.6202, 0.2611,
0.4462

■ 17.0335, 0.2736,
0.3856

■ 15.4582, 0.2623,
0.4614

■ 17.6268, 0.2804,
0.3718

■ 15.4205, 0.2626,
0.4652

■ 18.3289, 0.2883,
0.3589

■ 19.1454, 0.2968,
0.3471

■ 20.0813, 0.3058,
0.3364

■ 21.1414, 0.3150,
0.3267

■ 22.3302, 0.3243,
0.3180

■ 23.6520, 0.3335,
0.3104

Harmonies

Analogous

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



16.1485, 0.3315, 0.4585



16.1485, 0.2639, 0.4153



16.1485, 0.2130, 0.3408

Triad

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



16.1485, 0.2639, 0.4153



16.1485, 0.2245, 0.2192



16.1485, 0.4542, 0.3588

Complementary

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



16.1485, 0.2639, 0.4153



6.5380, 0.4321, 0.2641

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.



16.1485, 0.4201, 0.3060



16.1485, 0.2639, 0.4153



16.1485, 0.2807, 0.2298

Square

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



16.1485, 0.2639, 0.4153



16.1485, 0.1935, 0.2324



16.1485, 0.3533, 0.2606



16.1485, 0.4440, 0.4114

Rectangle

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



16.1485, 0.2639, 0.4153



16.1485, 0.1940, 0.2933



16.1485, 0.3533, 0.2606



16.1485, 0.4477, 0.3409

Sweetspot

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



16.1491, 0.2639, 0.4153



33.2503, 0.2942, 0.3505



16.6354, 0.3372, 0.5161



7.4873, 0.2922, 0.3532



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.1491, 0.2639, 0.4153



27.6570, 0.2611, 0.4391



15.1507, 0.2323, 0.3125



4.8579, 0.3043, 0.3380



15.8168, 0.2626, 0.4654



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.5380, 0.4321, 0.2641



9.4503, 0.4759, 0.2601



6.7111, 0.5126, 0.3419



4.3713, 0.3219, 0.3202



4.8026, 0.5256, 0.2669



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.1485, 0.2639, 0.4153 looks on a white background.

Color Contrast Check

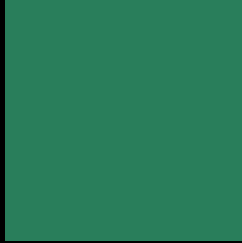
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1485, 0.2639, 0.4153 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 16.1485, 0.2639, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 16.1485, 0.2639, 0.4153.



This preview shows how white text looks on a background with the Yxy color 16.1485, 0.2639, 0.4153.

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

16.1485, 0.2639, 0.4153

Protanopia

15.9309, 0.3588, 0.3839

Deuteranopia

15.9308, 0.3589, 0.3524



Tritanopia

16.1833, 0.2393, 0.3069

Trichromacy



Original Color

16.1485, 0.2639, 0.4153

Protanomaly

15.4030, 0.3147, 0.3947

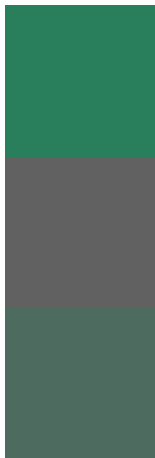
Deuteranomaly

15.3296, 0.3132, 0.3733

Tritanomaly

16.1307, 0.2481, 0.3450

Monochromacy



Original Color

16.1485, 0.2639, 0.4153

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.1291, 0.2879, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1485, 0.2639, 0.4153 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(41, 126, 91)` looks like.

```
.text, #text, p{  
    color:rgb(41, 126, 91)  
}
```

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(41, 126, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 126, 91) }
```

Border

The CSS property to change the border of an element to Yxy 16.1485, 0.2639, 0.4153 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(41, 126, 91) }
```

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

```
.border{ border-color:rgb(41, 126, 91) }
```

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

Here you see how a box with a 4 pixel rgb(41, 126, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 126, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 126, 91);  
box-shadow:4px 4px 4px 4px rgb(41, 126,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1485, 0.2639, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 126, 91) }
```

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

```
.background{ background-color: rgb(41, 126,  
91) }
```

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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