

Converting Colors

$Y_{xy}(15.9488, 0.3215, 0.4578)$

Have a look what the booklet for
Yxy(15.9488, 0.3215, 0.4578)
contains.

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Color

Yxy(16.0179, 0.3222, 0.4587)

Conversions

Conversions Part 1

Format	Color
Hex	507A42
RGB	80, 122, 66
RGB Percent	31%, 48%, 26%
CMY	0.6862, 0.5216, 0.7412
CMYK	0.34, 0.00, 0.46, 0.52
HSL	105°, 30%, 37%
HSV	105°, 46%, 48%
XYZ	11.2513, 16.0179, 7.6510
YIQ	103.0580, -7.0560, -26.3200

Conversions

Conversions Part 2

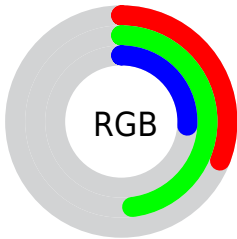
Format	Color
R_{YB}	66, 122, 108
Decimal	5274178
CIE _{Lab}	47.00, -26.04, 26.09
CIE _{LCh}	47, 36.858, 134.948
Yxy	16.0179, 0.3222, 0.4587
Android (android.graphics.Color)	4283464258 (0xFF507A42)
YUV	103.0580, -18.2696, -20.2219
Hunter-Lab	40.0224, -19.8583, 16.6813

Details

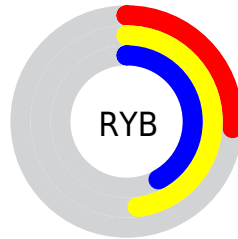
The Yxy color **16.0179, 0.3222, 0.4587** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.4874, 0.2943, 0.2145**, and the grayscale version is **13.6308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7230, 0.3218, 0.4253**, and **5.1105, 0.3170, 0.5254** is the 20% darker color. If you saturate the color by 10%, you get **15.5183, 0.3226, 0.4903**, and if you desaturate by 10%, it is **16.6038, 0.3210, 0.4272**.

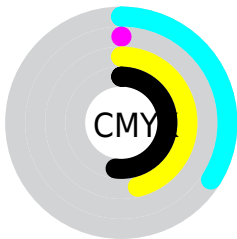
Distribution



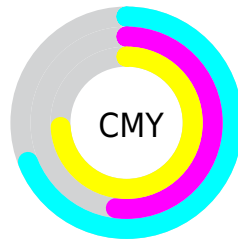
- Red (31%)
- Green (48%)
- Blue (26%)



- Red (26%)
- Yellow (48%)
- Blue (42%)



- Cyan (34%)
- Magenta (0%)
- Yellow (46%)
- Black (52%)





- Cyan (69%)
- Magenta (52%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0179, 0.3222, 0.4587 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 16.0179, 0.3222, 0.4587 by changing the saturation by 10% instead.


 16.0179, 0.3222,
0.4587


 16.0179, 0.3222,
0.4587


229.4473, 0.3192,
0.3789


 9.5368, 0.3212,
0.4858


 36.6293, 0.3220,
0.4250


 5.0930, 0.3176,
0.5263

 51.5284, 0.3216,
0.4139


 2.3019, 0.3207,
0.6188

 70.0022, 0.3211,
0.4050

 0.7747, 0.1150,
0.8850

 92.4353, 0.3207,
0.3979

 0.0000, 0.0000,
0.0000

 119.2120, 0.3203,
0.3919

150.7166, 0.3199,

0.3869

187.3336, 0.3195,
0.3826

■ 16.0179, 0.3222,
0.4587

■ 16.0179, 0.3222,
0.4587

■ 15.5183, 0.3226,
0.4903

■ 16.6038, 0.3210,
0.4272

■ 15.0987, 0.3219,
0.5204

■ 17.2779, 0.3191,
0.3969

■ 14.7554, 0.3201,
0.5471


■ 18.0443, 0.3168,
0.3687


■ 14.4834, 0.3171,
0.5687

■ 18.9064, 0.3143,
0.3430

■ 14.2753, 0.3134,
0.5844


■ 19.8676, 0.3116,
0.3199

 14.2037, 0.3122,
0.5903

 20.9309, 0.3090,
0.2993

 22.0991, 0.3063,
0.2811

 23.3752, 0.3038,
0.2650

 24.7618, 0.3014,
0.2509

Harmonies

Analogous

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



16.0179, 0.3909, 0.4577



16.0179, 0.3222, 0.4587



16.0179, 0.2546, 0.4083

Triad

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



16.0179, 0.3222, 0.4587



16.0179, 0.1939, 0.2272



16.0179, 0.4295, 0.3122

Complementary

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



16.0179, 0.3222, 0.4587



8.4874, 0.2943, 0.2145

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.



16.0179, 0.3640, 0.2647



16.0179, 0.3222, 0.4587



16.0179, 0.2289, 0.2172

Square

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



16.0179, 0.3222, 0.4587



16.0179, 0.1859, 0.2648



16.0179, 0.2891, 0.2311



16.0179, 0.4584, 0.3663

Rectangle

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



16.0179, 0.3222, 0.4587



16.0179, 0.2194, 0.3569



16.0179, 0.2891, 0.2311



16.0179, 0.4106, 0.2953

Sweetspot

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



16.0186, 0.3222, 0.4587



31.9716, 0.3164, 0.3645



15.0599, 0.3896, 0.4110



7.2522, 0.3169, 0.3692



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.



16.0186, 0.3222, 0.4587



27.2670, 0.3226, 0.4916



15.6428, 0.2939, 0.4330



4.4940, 0.3151, 0.3508



14.9501, 0.3120, 0.5904



70.9665, 0.3091, 0.5927

Inverse Universe

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



8.4874, 0.2943, 0.2145



12.2596, 0.2883, 0.1895



9.1355, 0.3403, 0.2442



4.0294, 0.3101, 0.3076



3.8421, 0.2603, 0.1208



17.9102, 0.2571, 0.1190

Previews

White Background



This preview shows how the Yxy color 16.0179, 0.3222, 0.4587 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 16.0179, 0.3222, 0.4587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

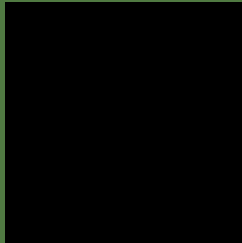
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0179, 0.3222, 0.4587

Background



This preview shows how black text looks on a background with the Yxy color 16.0179, 0.3222, 0.4587.



This preview shows how white text looks on a background with the Yxy color 16.0179, 0.3222, 0.4587.

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

16.0179, 0.3222, 0.4587

Protanopia

15.8543, 0.3911, 0.4252

Deuteranopia

15.8186, 0.4032, 0.3964



Tritanopia

15.9158, 0.2717, 0.3079

Trichromacy



Original Color

16.0179, 0.3222, 0.4587

Protanomaly

15.7461, 0.3648, 0.4387

Deuteranomaly

15.5954, 0.3700, 0.4179

Tritanomaly

15.9348, 0.2896, 0.3601

Monochromacy



Original Color

16.0179, 0.3222, 0.4587

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3229, 0.3173, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0179, 0.3222, 0.4587 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(80, 122, 66)` looks like.

```
.text, #text, p{  
    color:rgb(80, 122, 66)  
}
```

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(80, 122, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 122, 66) }
```

Border

The CSS property to change the border of an element to Yxy 16.0179, 0.3222, 0.4587 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(80, 122, 66) }
```

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

```
.border{ border-color:rgb(80, 122, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 122, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 122, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 122, 66);  
box-shadow:4px 4px 4px 4px rgb(80, 122,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0179, 0.3222, 0.4587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 122, 66) }
```

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

```
.background{ background-color: rgb(80, 122,  
66) }
```

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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