

Converting Colors

$Y_{xy}(15.3010, 0.3124, 0.4494)$

Have a look what the booklet for
Yxy(15.3010, 0.3124, 0.4494)
contains.

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Color

Yxy(15.3310, 0.3116, 0.4487)

Conversions

Conversions Part 1

Format	Color
Hex	4A7846
RGB	74, 120, 70
RGB Percent	29%, 47%, 27%
CMY	0.7097, 0.5294, 0.7255
CMYK	0.38, 0.00, 0.42, 0.53
HSL	115°, 26%, 37%
HSV	115°, 42%, 47%
XYZ	10.6466, 15.3310, 8.1900
YIQ	100.5460, -11.3660, -25.3020

Conversions

Conversions Part 2

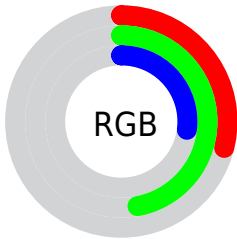
Format	Color
RYB	70, 120, 116
Decimal	4880454
CIELab	46.08, -26.58, 22.62
CIElCh	46, 34.900, 139.606
Yxy	15.3310, 0.3116, 0.4487
Android (android.graphics.Color)	4283070534 (0xFF4A7846)
YUV	100.5460, -15.0592, -23.2808
Hunter-Lab	39.1548, -19.9848, 15.0067

Details

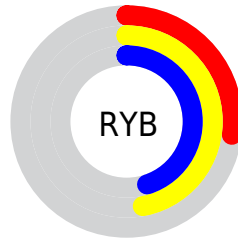
The Yxy color **15.3310, 0.3116, 0.4487** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.4457, 0.3106, 0.2296**, and the grayscale version is **12.9335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5790, 0.3137, 0.4175**, and **4.7833, 0.3040, 0.5140** is the 20% darker color. If you saturate the color by 10%, you get **14.7947, 0.3106, 0.4823**, and if you desaturate by 10%, it is **15.9757, 0.3123, 0.4161**.

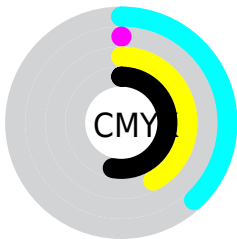
Distribution



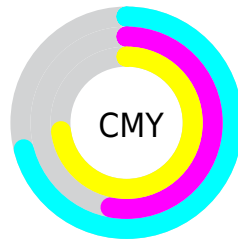
- Red (29%)
- Green (47%)
- Blue (27%)



- Red (27%)
- Yellow (47%)
- Blue (45%)



- Cyan (38%)
- Magenta (0%)
- Yellow (42%)
- Black (53%)





- Cyan (71%)
- Magenta (53%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3310, 0.3116, 0.4487 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 15.3310, 0.3116, 0.4487 by changing the saturation by 10% instead.


 15.3310, 0.3116,
0.4487


 15.3310, 0.3116,
0.4487


225.3610, 0.3144,
0.3745


 9.0520, 0.3091,
0.4746


 35.4328, 0.3136,
0.4171


 4.7751, 0.3037,
0.5139

 50.0244, 0.3140,
0.4067

 2.1159, 0.3000,
0.5988

 68.1557, 0.3142,
0.3985

 0.6736, 0.0000,
1.0000

 90.2111, 0.3143,
0.3919

 0.0000, 0.0000,
0.0000

 116.5749, 0.3144,
0.3864

147.6316, 0.3144,

0.3818

183.7655, 0.3144,
0.3779

■ 15.3310, 0.3116,
0.4487

■ 15.3310, 0.3116,
0.4487

■ 14.7947, 0.3106,
0.4823

■ 15.9757, 0.3123,
0.4161

■ 14.3590, 0.3093,
0.5150

■ 16.7323, 0.3126,
0.3855

■ 14.0182, 0.3076,
0.5447

■ 17.6064, 0.3128,
0.3577


■ 13.7653, 0.3057,
0.5692


■ 18.6028, 0.3127,
0.3329

■ 13.5919, 0.3037,
0.5867


■ 19.7258, 0.3126,
0.3110

 13.4955, 0.3028,
0.5977

 20.9798, 0.3123,
0.2919

 22.3688, 0.3120,
0.2752

 23.8966, 0.3116,
0.2608

 25.5670, 0.3113,
0.2483

Harmonies

Analogous

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



15.3310, 0.3789, 0.4559



15.3310, 0.3116, 0.4487



15.3310, 0.2481, 0.3941

Triad

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



15.3310, 0.3116, 0.4487



15.3310, 0.2014, 0.2276



15.3310, 0.4320, 0.3211

Complementary

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



15.3310, 0.3116, 0.4487



9.4457, 0.3106, 0.2296

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.



15.3310, 0.3732, 0.2734



15.3310, 0.3116, 0.4487



15.3310, 0.2395, 0.2216

Square

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



15.3310, 0.3116, 0.4487



15.3310, 0.1896, 0.2599



15.3310, 0.3008, 0.2382



15.3310, 0.4533, 0.3739

Rectangle

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



15.3310, 0.3116, 0.4487



15.3310, 0.2165, 0.3442



15.3310, 0.3008, 0.2382



15.3310, 0.4157, 0.3042

Sweetspot

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



15.3316, 0.3116, 0.4487



30.6996, 0.3128, 0.3621



16.8874, 0.3748, 0.4199



7.2055, 0.3127, 0.3671



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.



15.3316, 0.3116, 0.4487



26.0598, 0.3107, 0.4807



15.4870, 0.2861, 0.3984



4.4640, 0.3128, 0.3510



14.7196, 0.3027, 0.5978



70.0562, 0.3013, 0.5989

Inverse Universe

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



9.4457, 0.3106, 0.2296



14.2180, 0.3095, 0.2084



9.2757, 0.3539, 0.2691



4.0619, 0.3125, 0.3078



5.1161, 0.3014, 0.1434



24.2300, 0.3004, 0.1428

Previews

White Background



This preview shows how the Yxy color 15.3310, 0.3116, 0.4487 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 15.3310, 0.3116, 0.4487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

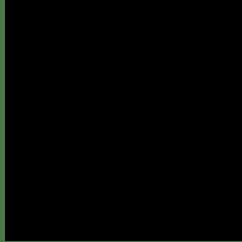
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3310, 0.3116, 0.4487

Background



This preview shows how black text looks on a background with the Yxy color 15.3310, 0.3116, 0.4487.



This preview shows how white text looks on a background with the Yxy color 15.3310, 0.3116, 0.4487.

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

15.3310, 0.3116, 0.4487

Protanopia

15.2526, 0.3834, 0.4159

Deuteranopia

15.1409, 0.3934, 0.3870



Tritanopia

15.3495, 0.2671, 0.3095

Trichromacy



Original Color

15.3310, 0.3116, 0.4487

Protanomaly

15.0991, 0.3557, 0.4292

Deuteranomaly

14.9479, 0.3604, 0.4079

Tritanomaly

15.1957, 0.2826, 0.3564

Monochromacy



Original Color

15.3310, 0.3116, 0.4487

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.6875, 0.3121, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3310, 0.3116, 0.4487 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(74, 120, 70)` looks like.

```
.text, #text, p{  
    color:rgb(74, 120, 70)  
}
```

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(74, 120, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 120, 70) }
```

Border

The CSS property to change the border of an element to Yxy 15.3310, 0.3116, 0.4487 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(74, 120, 70) }
```

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

```
.border{ border-color:rgb(74, 120, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 120, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 120, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 120, 70);  
box-shadow:4px 4px 4px 4px rgb(74, 120,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3310, 0.3116, 0.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 120, 70) }
```

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

```
.background{ background-color: rgb(74, 120,  
70) }
```

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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