

Converting Colors

$Y_{xy}(15.2310, 0.3178, 0.4683)$

Have a look what the booklet for
Yxy(15.2310, 0.3178, 0.4683)
contains.

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Color

Yxy(15.1972, 0.3182, 0.4679)

Conversions

Conversions Part 1

Format	Color
Hex	49783E
RGB	73, 120, 62
RGB Percent	29%, 47%, 24%
CMY	0.7136, 0.5294, 0.7568
CMYK	0.39, 0.00, 0.48, 0.53
HSL	109°, 32%, 36%
HSV	109°, 48%, 47%
XYZ	10.3350, 15.1972, 6.9474
YIQ	99.3350, -9.3940, -28.0020

Conversions

Conversions Part 2

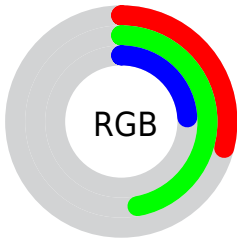
Format	Color
RYB	62, 120, 109
Decimal	4814910
CIELab	45.90, -28.17, 26.81
CIELCh	46, 38.892, 136.421
Yxy	15.1972, 0.3182, 0.4679
Android (android.graphics.Color)	4283004990 (0xFF49783E)
YUV	99.3350, -18.4062, -23.0958
Hunter-Lab	38.9836, -20.8988, 16.7223

Details

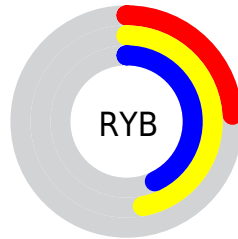
The Yxy color **15.1972, 0.3182, 0.4679** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.0529, 0.2990, 0.2108**, and the grayscale version is **12.6172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3199, 0.3189, 0.4311**, and **4.7260, 0.3108, 0.5441** is the 20% darker color. If you saturate the color by 10%, you get **14.7297, 0.3178, 0.5000**, and if you desaturate by 10%, it is **15.7545, 0.3179, 0.4356**.

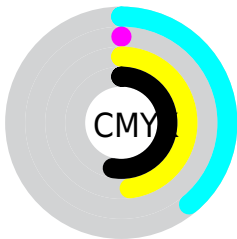
Distribution



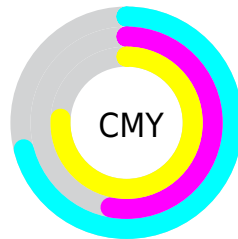
- Red (29%)
- Green (47%)
- Blue (24%)



- Red (24%)
- Yellow (47%)
- Blue (43%)



- Cyan (39%)
- Magenta (0%)
- Yellow (48%)
- Black (53%)





- Cyan (71%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1972, 0.3182, 0.4679 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 15.1972, 0.3182, 0.4679 by changing the saturation by 10% instead.


 15.1972, 0.3182,
0.4679


 15.1972, 0.3182,
0.4679


224.5567, 0.3179,
0.3816


 8.9579, 0.3160,
0.4978


 35.1988, 0.3193,
0.4311

 4.7137, 0.3102,
0.5428

 49.7298, 0.3192,
0.4191


 2.0803, 0.3189,
0.6674

 67.7936, 0.3191,
0.4096

 0.6535, 0.0000,
1.0000

 89.7744, 0.3188,
0.4018

 0.0000, 0.0000,
0.0000

 116.0568, 0.3186,
0.3955

 147.0250, 0.3183,

0.3901

183.0635, 0.3181,
0.3855

■ 15.1972, 0.3182,
0.4679

■ 15.1972, 0.3182,
0.4679

■ 14.7297, 0.3178,
0.5000

■ 15.7545, 0.3179,
0.4356

■ 14.3453, 0.3165,
0.5301

■ 16.4040, 0.3170,
0.4045

■ 14.0396, 0.3143,
0.5561


■ 17.1503, 0.3157,
0.3754

■ 13.8068, 0.3114,
0.5764

■ 17.9973, 0.3141,
0.3490

■ 13.6363, 0.3084,
0.5912


■ 18.9485, 0.3124,
0.3252

 13.6123, 0.3081,
0.5936

 20.0074, 0.3106,
0.3041

 21.1772, 0.3088,
0.2856

 22.4610, 0.3071,
0.2693

 23.8619, 0.3054,
0.2550

Harmonies

Analogous

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



15.1972, 0.3919, 0.4679



15.1972, 0.3182, 0.4679



15.1972, 0.2470, 0.4109

Triad

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



15.1972, 0.3182, 0.4679



15.1972, 0.1877, 0.2193



15.1972, 0.4408, 0.3132

Complementary

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



15.1972, 0.3182, 0.4679



8.0529, 0.2990, 0.2108

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.



15.1972, 0.3715, 0.2627



15.1972, 0.3182, 0.4679



15.1972, 0.2259, 0.2106

Square

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



15.1972, 0.3182, 0.4679



15.1972, 0.1778, 0.2570



15.1972, 0.2908, 0.2264



15.1972, 0.4690, 0.3703

Rectangle

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



15.1972, 0.3182, 0.4679



15.1972, 0.2106, 0.3544



15.1972, 0.2908, 0.2264



15.1972, 0.4210, 0.2952

Sweetspot

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



15.1978, 0.3182, 0.4679



30.7365, 0.3151, 0.3646



15.1508, 0.3904, 0.4218



7.2228, 0.3154, 0.3694



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.



15.1978, 0.3182, 0.4679



25.8263, 0.3177, 0.5034



15.0276, 0.2894, 0.4294



4.4832, 0.3143, 0.3509



14.8454, 0.3079, 0.5938



70.5306, 0.3055, 0.5957

Inverse Universe

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



8.0529, 0.2990, 0.2108



11.6429, 0.2943, 0.1860



8.4107, 0.3496, 0.2471



4.0409, 0.3109, 0.3077



4.2591, 0.2748, 0.1288



19.9672, 0.2724, 0.1274

Previews

White Background



This preview shows how the Yxy color 15.1972, 0.3182, 0.4679 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 15.1972, 0.3182, 0.4679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

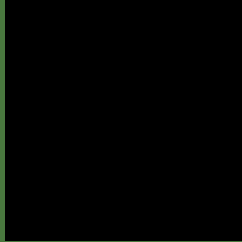
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1972, 0.3182, 0.4679

Background



This preview shows how black text looks on a background with the Yxy color 15.1972, 0.3182, 0.4679.



This preview shows how white text looks on a background with the Yxy color 15.1972, 0.3182, 0.4679.

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

15.1972, 0.3182, 0.4679

Protanopia

14.9526, 0.3941, 0.4290

Deuteranopia

14.9191, 0.4068, 0.3995



Tritanopia

15.1002, 0.2678, 0.3094

Trichromacy



Original Color

15.1972, 0.3182, 0.4679

Protanomaly

14.7289, 0.3640, 0.4445

Deuteranomaly

14.6339, 0.3711, 0.4225

Tritanomaly

15.1164, 0.2869, 0.3658

Monochromacy



Original Color

15.1972, 0.3182, 0.4679

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.3609, 0.3159, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1972, 0.3182, 0.4679 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(73, 120, 62)` looks like.

```
.text, #text, p{  
    color:rgb(73, 120, 62)  
}
```

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(73, 120, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 120, 62) }
```

Border

The CSS property to change the border of an element to Yxy 15.1972, 0.3182, 0.4679 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(73, 120, 62) }
```

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

```
.border{ border-color:rgb(73, 120, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 120, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 120, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 120, 62);  
box-shadow:4px 4px 4px 4px rgb(73, 120,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1972, 0.3182, 0.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 120, 62) }
```

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

```
.background{ background-color: rgb(73, 120,  
62) }
```

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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