

Converting Colors

$Y_{xy}(15.4462, 0.3218, 0.4896)$

Have a look what the booklet for
Yxy(15.4462, 0.3218, 0.4896)
contains.

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Color

Yxy(15.4875, 0.3214, 0.4904)

Conversions

Conversions Part 1

Format	Color
Hex	467A36
RGB	70, 122, 54
RGB Percent	27%, 48%, 21%
CMY	0.7255, 0.5215, 0.7883
CMYK	0.43, 0.00, 0.56, 0.52
HSL	106°, 39%, 35%
HSV	106°, 56%, 48%
XYZ	10.1502, 15.4875, 5.9436
YIQ	98.7000, -9.1640, -32.1720

Conversions

Conversions Part 2

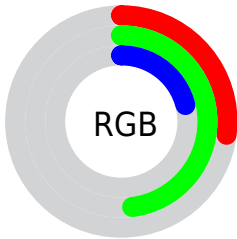
Format	Color
RYB	54, 122, 106
Decimal	4618806
CIELab	46.29, -31.29, 31.54
CIElCh	46, 44.428, 134.778
Yxy	15.4875, 0.3214, 0.4904
Android (android.graphics.Color)	4282808886 (0xFF467A36)
YUV	98.7000, -22.0371, -25.1699
Hunter-Lab	39.3542, -22.8310, 18.5934

Details

The Yxy color **15.4875, 0.3214, 0.4904** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.1082, 0.2905, 0.1916**, and the grayscale version is **12.4555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7768, 0.3227, 0.4474**, and **4.8974, 0.3106, 0.5747** is the 20% darker color. If you saturate the color by 10%, you get **15.0672, 0.3206, 0.5207**, and if you desaturate by 10%, it is **15.9919, 0.3212, 0.4586**.

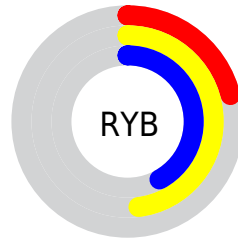
Distribution



Red (27%)

Green (48%)

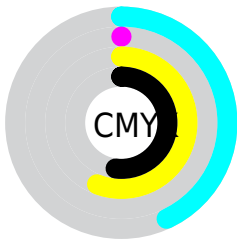
Blue (21%)



Red (21%)

Yellow (48%)

Blue (42%)

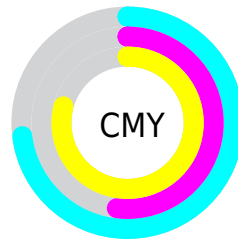


Cyan (43%)

Magenta (0%)

Yellow (56%)

Black (52%)



Cyan (73%)


Magenta (52%)

Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4875, 0.3214, 0.4904 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 15.4875, 0.3214, 0.4904 by changing the saturation by 10% instead.


 15.4875, 0.3214,
0.4904


 15.4875, 0.3214,
0.4904


 226.2983, 0.3203,
0.3902


 9.1622, 0.3184,
0.5246


 35.7062, 0.3227,
0.4479


 4.8472, 0.3106,
0.5750

 50.3683, 0.3225,
0.4339


 2.1579, 0.3069,
0.6931

 68.5783, 0.3222,
0.4228

 0.6969, 0.0000,
1.0000

 90.7204, 0.3219,
0.4138

 0.0000, 0.0000,
0.0000

 117.1790, 0.3215,
0.4064

 148.3386, 0.3211,

0.4001

184.5836, 0.3207,
0.3948

■ 15.4875, 0.3214,
0.4904

■ 15.4875, 0.3214,
0.4904

■ 15.0672, 0.3206,
0.5207

■ 15.9919, 0.3212,
0.4586

■ 14.7242, 0.3188,
0.5476

■ 16.5826, 0.3201,
0.4269

■ 14.4540, 0.3159,
0.5694

■ 17.2643, 0.3185,
0.3965

■ 14.2494, 0.3123,
0.5851

■ 18.0408, 0.3164,
0.3683

■ 14.1770, 0.3110,
0.5912

■ 18.9155, 0.3141,
0.3426

■ 19.8917, 0.3117,
0.3195

■ 20.9727, 0.3092,
0.2990

■ 22.1614, 0.3068,
0.2809

■ 23.4608, 0.3045,
0.2649

Harmonies

Analogous

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



15.4875, 0.4034, 0.4830



15.4875, 0.3214, 0.4904



15.4875, 0.2415, 0.4282

Triad

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



15.4875, 0.3214, 0.4904



15.4875, 0.1728, 0.2077



15.4875, 0.4547, 0.3065

Complementary

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



15.4875, 0.3214, 0.4904



7.1082, 0.2905, 0.1916

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.



15.4875, 0.3738, 0.2522



15.4875, 0.3214, 0.4904



15.4875, 0.2125, 0.1975

Square

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



15.4875, 0.3214, 0.4904



15.4875, 0.1634, 0.2501



15.4875, 0.2827, 0.2137



15.4875, 0.4887, 0.3685

Rectangle

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



15.4875, 0.3214, 0.4904



15.4875, 0.2007, 0.3625



15.4875, 0.2827, 0.2137



15.4875, 0.4314, 0.2871

Sweetspot

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



15.4882, 0.3214, 0.4904



31.4969, 0.3168, 0.3728



14.5079, 0.4064, 0.4290



7.1525, 0.3171, 0.3771



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.



15.4882, 0.3214, 0.4904



26.3184, 0.3202, 0.5289



15.1594, 0.2901, 0.4572



4.4913, 0.3149, 0.3508



14.9213, 0.3109, 0.5913



70.8445, 0.3081, 0.5936

Inverse Universe

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



7.1082, 0.2905, 0.1916



9.9460, 0.2831, 0.1645



7.7958, 0.3505, 0.2297



4.0323, 0.3103, 0.3077



3.9431, 0.2639, 0.1228



18.4068, 0.2609, 0.1211

Previews

White Background



This preview shows how the Yxy color 15.4875, 0.3214, 0.4904 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 15.4875, 0.3214, 0.4904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

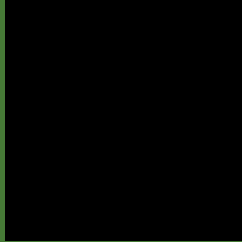
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4875, 0.3214, 0.4904

Background



This preview shows how black text looks on a background with the Yxy color 15.4875, 0.3214, 0.4904.



This preview shows how white text looks on a background with the Yxy color 15.4875, 0.3214, 0.4904.

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

15.4875, 0.3214, 0.4904

Protanopia

15.2325, 0.4051, 0.4430

Deuteranopia

15.2847, 0.4194, 0.4117



Tritanopia

15.5105, 0.2643, 0.3094

Trichromacy



Original Color

15.4875, 0.3214, 0.4904

Protanomaly

15.0984, 0.3710, 0.4631

Deuteranomaly

15.0438, 0.3805, 0.4410

Tritanomaly

15.4774, 0.2860, 0.3728

Monochromacy



Original Color

15.4875, 0.3214, 0.4904

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.2146, 0.3169, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4875, 0.3214, 0.4904 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(70, 122, 54)` looks like.

```
.text, #text, p{  
    color:rgb(70, 122, 54)  
}
```

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(70, 122, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 122, 54) }
```

Border

The CSS property to change the border of an element to Yxy 15.4875, 0.3214, 0.4904 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(70, 122, 54) }
```

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

```
.border{ border-color:rgb(70, 122, 54) }
```

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

Here you see how a box with a 4 pixel rgb(70, 122, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 122, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 122, 54);  
box-shadow:4px 4px 4px 4px rgb(70, 122,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4875, 0.3214, 0.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 122, 54) }
```

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

```
.background{ background-color: rgb(70, 122,  
54) }
```

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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