

Converting Colors

$Y_{xy}(15.7380, 0.2985, 0.4203)$

Have a look what the booklet for
Yxy(15.7380, 0.2985, 0.4203)
contains.

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Color

Yxy(15.7398, 0.2994, 0.4214)

Conversions

Conversions Part 1

Format	Color
Hex	4A7952
RGB	74, 121, 82
RGB Percent	29%, 47%, 32%
CMY	0.7099, 0.5255, 0.6785
CMYK	0.39, 0.00, 0.32, 0.53
HSL	130°, 24%, 38%
HSV	130°, 39%, 47%
XYZ	11.1830, 15.7398, 10.4285
YIQ	102.5010, -15.4930, -22.0930

Conversions

Conversions Part 2

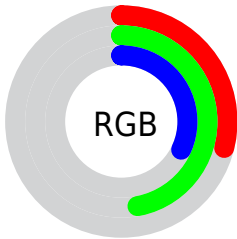
Format	Color
R_{YB}	74, 114, 121
Decimal	4880722
CIE _{Lab}	46.63, -24.96, 16.48
CIE _{LCh}	47, 29.906, 146.563
Yxy	15.7398, 0.2994, 0.4214
Android (android.graphics.Color)	4283070802 (0xFF4A7952)
YUV	102.5010, -10.1070, -24.9954
Hunter-Lab	39.6734, -19.1138, 12.1866

Details

The Yxy color **15.7398, 0.2994, 0.4214** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.1530, 0.3300, 0.2516**, and the grayscale version is **13.4543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2980, 0.3036, 0.3970**, and **4.9750, 0.2886, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **15.1638, 0.2966, 0.4503**, and if you desaturate by 10%, it is **16.4319, 0.3027, 0.3942**.

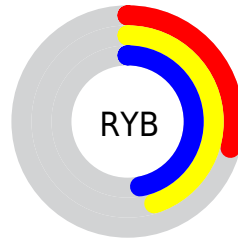
Distribution



Red (29%)

Green (47%)

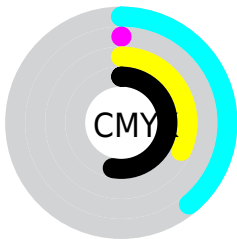
Blue (32%)



Red (29%)

Yellow (45%)

Blue (47%)

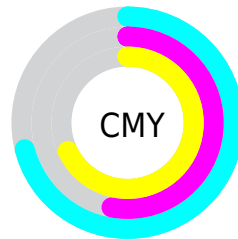


Cyan (39%)

Magenta (0%)

Yellow (32%)

Black (53%)



Cyan (71%)


Magenta (53%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7398, 0.2994, 0.4214 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 15.7398, 0.2994, 0.4214 by changing the saturation by 10% instead.


 15.7398, 0.2994,
0.4214

 15.7398, 0.2994,
0.4214


227.8014, 0.3085,
0.3645


 9.3402, 0.2956,
0.4411


 36.1459, 0.3036,
0.3972


 4.9638, 0.2891,
0.4713

 50.9212, 0.3049,
0.3893


 2.2260, 0.2767,
0.5230

 69.2572, 0.3059,
0.3831

 0.7341, 0.1076,
0.8924

 91.5383, 0.3066,
0.3780

 0.0000, 0.0000,
0.0000

 118.1488, 0.3072,
0.3737

149.4733, 0.3078,

0.3702

185.8960, 0.3082,
0.3672

■ 15.7398, 0.2994,
0.4214

■ 15.7398, 0.2994,
0.4214

■ 15.1638, 0.2966,
0.4503

■ 16.4319, 0.3027,
0.3942

■ 14.6956, 0.2943,
0.4801

■ 17.2439, 0.3061,
0.3692

■ 14.3290, 0.2930,
0.5093

■ 18.1819, 0.3096,
0.3468

■ 14.0563, 0.2926,
0.5363

■ 19.2509, 0.3131,
0.3269

■ 13.8687, 0.2933,
0.5596

■ 20.4559, 0.3164,
0.3093

■ 13.7421, 0.2944,
0.5781

■ 21.8012, 0.3196,
0.2941

■ 13.7290, 0.2944,
0.5800

■ 23.2913, 0.3226,
0.2807

■ 24.9303, 0.3254,
0.2692

■ 26.7222, 0.3280,
0.2591

Harmonies

Analogous

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



15.7398, 0.3580, 0.4387



15.7398, 0.2994, 0.4214



15.7398, 0.2473, 0.3698

Triad

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



15.7398, 0.2994, 0.4214



15.7398, 0.2220, 0.2383



15.7398, 0.4215, 0.3340

Complementary

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



15.7398, 0.2994, 0.4214



10.1530, 0.3300, 0.2516

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.



15.7398, 0.3778, 0.2902



15.7398, 0.2994, 0.4214



15.7398, 0.2608, 0.2373

Square

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



15.7398, 0.2994, 0.4214



15.7398, 0.2061, 0.2619



15.7398, 0.3172, 0.2560



15.7398, 0.4316, 0.3802

Rectangle

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



15.7398, 0.2994, 0.4214



15.7398, 0.2228, 0.3283



15.7398, 0.3172, 0.2560



15.7398, 0.4101, 0.3187

Sweetspot

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



15.7405, 0.2994, 0.4214



31.9516, 0.3084, 0.3542



17.6924, 0.3574, 0.4243



7.2680, 0.3081, 0.3564



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.



15.7405, 0.2994, 0.4214



27.2158, 0.2967, 0.4483



16.1582, 0.2759, 0.3646



4.4601, 0.3096, 0.3472



14.7097, 0.2946, 0.5804



70.0780, 0.2964, 0.5869

Inverse Universe

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



10.1530, 0.3300, 0.2516



15.6461, 0.3353, 0.2340



9.6930, 0.3722, 0.2966



4.0664, 0.3160, 0.3114



5.3492, 0.3675, 0.1798



25.4068, 0.3703, 0.1814

Previews

White Background



This preview shows how the Yxy color 15.7398, 0.2994, 0.4214 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 15.7398, 0.2994, 0.4214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

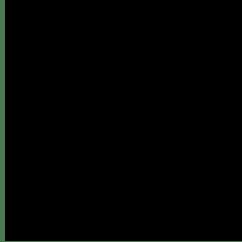
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7398, 0.2994, 0.4214

Background



This preview shows how black text looks on a background with the Yxy color 15.7398, 0.2994, 0.4214.



This preview shows how white text looks on a background with the Yxy color 15.7398, 0.2994, 0.4214.

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

15.7398, 0.2994, 0.4214

Protanopia

15.6096, 0.3686, 0.3962

Deuteranopia

15.6311, 0.3750, 0.3699



Tritanopia

15.8105, 0.2646, 0.3096

Trichromacy



Original Color

15.7398, 0.2994, 0.4214

Protanomaly

15.4827, 0.3409, 0.4053

Deuteranomaly

15.2602, 0.3444, 0.3866

Tritanomaly

15.7665, 0.2778, 0.3491

Monochromacy



Original Color

15.7398, 0.2994, 0.4214

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.0388, 0.3072, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7398, 0.2994, 0.4214 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, 121, 82)` looks like.

```
.text, #text, p{  
    color:rgb(74, 121, 82)  
}
```

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, 121, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 121, 82) }
```

Border

The CSS property to change the border of an element to Yxy 15.7398, 0.2994, 0.4214 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, 121, 82) }
```

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

```
.border{ border-color:rgb(74, 121, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 121, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 121, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 121, 82);  
box-shadow:4px 4px 4px 4px rgb(74, 121,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7398, 0.2994, 0.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 121, 82) }
```

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

```
.background{ background-color: rgb(74, 121,  
82) }
```

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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