

Converting Colors

$Y_{xy}(15.0404, 0.2861, 0.3711)$

Have a look what the booklet for
Yxy(15.0404, 0.2861, 0.3711)
contains.

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Color

Yxy(14.9923, 0.2868, 0.3709)

Conversions

Conversions Part 1

Format	Color
Hex	4E7462
RGB	78, 116, 98
RGB Percent	31%, 45%, 38%
CMY	0.6940, 0.5451, 0.6157
CMYK	0.33, 0.00, 0.16, 0.55
HSL	152°, 20%, 38%
HSV	152°, 33%, 45%
XYZ	11.5929, 14.9923, 13.8362
YIQ	102.5860, -16.8700, -13.6540

Conversions

Conversions Part 2

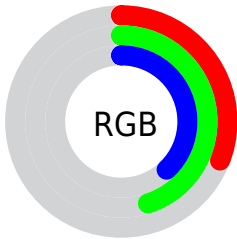
Format	Color
RYB	78, 103, 116
Decimal	5141602
CIELab	45.62, -17.66, 5.70
CIElCh	46, 18.552, 162.115
Yxy	14.9923, 0.2868, 0.3709
Android (android.graphics.Color)	4283331682 (0xFF4E7462)
YUV	102.5860, -2.2609, -21.5619
Hunter-Lab	38.7199, -14.3163, 5.9171

Details

The Yxy color **14.9923, 0.2868, 0.3709** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.0099, 0.3498, 0.2908**, and the grayscale version is **13.4593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7644, 0.2928, 0.3593**, and **4.6735, 0.2732, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **14.4449, 0.2801, 0.3863**, and if you desaturate by 10%, it is **15.6345, 0.2943, 0.3567**.

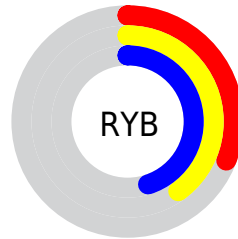
Distribution



Red (31%)

Green (45%)

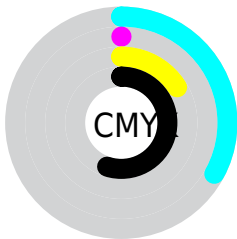
Blue (38%)



Red (31%)

Yellow (40%)

Blue (45%)

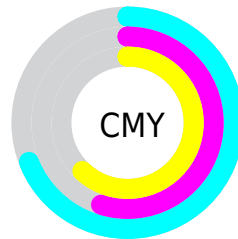


Cyan (33%)

Magenta (0%)

Yellow (16%)

Black (55%)



Cyan (69%)


Magenta (55%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9923, 0.2868, 0.3709 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 14.9923, 0.2868, 0.3709 by changing the saturation by 10% instead.


 14.9923, 0.2868,
0.3709


 14.9923, 0.2868,
0.3709


223.3196, 0.3025,
0.3455


 8.8140, 0.2815,
0.3796


 34.8397, 0.2934,
0.3602


 4.6200, 0.2736,
0.3928

 49.2775, 0.2955,
0.3567

 2.0261, 0.2603,
0.4151

 67.2373, 0.2973,
0.3538

 0.6226, 0.1512,
0.5858

 89.1035, 0.2987,
0.3515

 0.0000, 0.0000,
0.0000

 115.2604, 0.2999,
0.3496

146.0925, 0.3009,

0.3480

181.9841, 0.3017,
0.3467

■ 14.9923, 0.2868,
0.3709

■ 14.9923, 0.2868,
0.3709

■ 14.4449, 0.2801,
0.3863

■ 15.6345, 0.2943,
0.3567

■ 13.9858, 0.2744,
0.4027

■ 16.3741, 0.3022,
0.3437

■ 13.6105, 0.2701,
0.4199

■ 17.2156, 0.3104,
0.3320

■ 13.3134, 0.2673,
0.4376

■ 18.1630, 0.3188,
0.3215

■ 13.0880, 0.2663,
0.4553

■ 19.2199, 0.3270,
0.3122

■ 12.9265, 0.2672,
0.4728

■ 20.3897, 0.3351,
0.3039

■ 12.8275, 0.2681,
0.4853

■ 21.6757, 0.3430,
0.2966

■ 23.0812, 0.3506,
0.2902

■ 24.6090, 0.3578,
0.2846

Harmonies

Analogous

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



14.9923, 0.3239, 0.3935



14.9923, 0.2868, 0.3709



14.9923, 0.2578, 0.3354

Triad

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



14.9923, 0.2868, 0.3709



14.9923, 0.2655, 0.2674



14.9923, 0.3873, 0.3502

Complementary

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



14.9923, 0.2868, 0.3709



10.0099, 0.3498, 0.2908

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.



14.9923, 0.3700, 0.3193



14.9923, 0.2868, 0.3709



14.9923, 0.2980, 0.2733

Square

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



14.9923, 0.2868, 0.3709



14.9923, 0.2462, 0.2764



14.9923, 0.3365, 0.2918



14.9923, 0.3831, 0.3782

Rectangle

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



14.9923, 0.2868, 0.3709



14.9923, 0.2464, 0.3113



14.9923, 0.3365, 0.2918



14.9923, 0.3838, 0.3399

Sweetspot

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



14.9929, 0.2868, 0.3709



29.1339, 0.3042, 0.3407



15.5483, 0.3322, 0.4136



6.9125, 0.3033, 0.3420



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.9929, 0.2868, 0.3709



25.6411, 0.2819, 0.3819



15.2267, 0.2681, 0.3275



4.1274, 0.3052, 0.3392



14.3919, 0.2684, 0.4862



69.9592, 0.2708, 0.4949

Inverse Universe

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



10.0099, 0.3498, 0.2908



15.4883, 0.3612, 0.2821



9.8056, 0.3826, 0.3306



3.7271, 0.3209, 0.3190



4.4726, 0.4992, 0.2523



21.6250, 0.5111, 0.2589

Previews

White Background



This preview shows how the Yxy color 14.9923, 0.2868, 0.3709 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 14.9923, 0.2868, 0.3709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

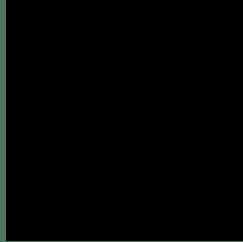
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9923, 0.2868, 0.3709

Background



This preview shows how black text looks on a background with the Yxy color 14.9923, 0.2868, 0.3709.



This preview shows how white text looks on a background with the Yxy color 14.9923, 0.2868, 0.3709.

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

14.9923, 0.2868, 0.3709

Protanopia

14.8343, 0.3384, 0.3563

Deuteranopia

14.9052, 0.3414, 0.3351



Tritanopia

15.0544, 0.2668, 0.3093

Trichromacy



Original Color

14.9923, 0.2868, 0.3709

Protanomaly

14.6874, 0.3179, 0.3621

Deuteranomaly

14.6485, 0.3188, 0.3462

Tritanomaly

14.9762, 0.2740, 0.3311

Monochromacy



Original Color

14.9923, 0.2868, 0.3709

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.0444, 0.3026, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9923, 0.2868, 0.3709 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(78, 116, 98)` looks like.

```
.text, #text, p{  
    color:rgb(78, 116, 98)  
}
```

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(78, 116, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 116, 98) }
```

Border

The CSS property to change the border of an element to Yxy 14.9923, 0.2868, 0.3709 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(78, 116, 98) }
```

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

```
.border{ border-color:rgb(78, 116, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 116, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 116, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 116, 98);  
box-shadow:4px 4px 4px 4px rgb(78, 116,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9923, 0.2868, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 116, 98) }
```

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

```
.background{ background-color: rgb(78, 116,  
98) }
```

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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