

Converting Colors

$Yxy(14.5702, 0.2960, 0.4207)$

Have a look what the booklet for
Yxy(14.5702, 0.2960, 0.4207)
contains.

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Color

Yxy(14.5670, 0.2959, 0.4199)

Conversions

Conversions Part 1

Format	Color
Hex	457550
RGB	69, 117, 80
RGB Percent	27%, 46%, 31%
CMY	0.7293, 0.5412, 0.6863
CMYK	0.41, 0.00, 0.32, 0.54
HSL	134°, 26%, 36%
HSV	134°, 41%, 46%
XYZ	10.2652, 14.5670, 9.8594
YIQ	98.4300, -16.7310, -21.6830

Conversions

Conversions Part 2

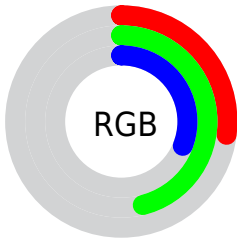
Format	Color
R _{YB}	69, 108, 117
Decimal	4552016
CIE _{Lab}	45.04, -24.97, 15.42
CIE _{LCh}	45, 29.351, 148.300
Y _{xy}	14.5670, 0.2959, 0.4199
Android (android.graphics.Color)	4282742096 (0xFF457550)
Y _{UV}	98.4300, -9.0860, -25.8101
Hunter-Lab	38.1667, -18.7828, 11.4007

Details

The Yxy color **14.5670, 0.2959, 0.4199** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.0837, 0.3360, 0.2529**, and the grayscale version is **12.3553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8829, 0.3009, 0.3959**, and **4.4043, 0.2840, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **14.0563, 0.2927, 0.4470**, and if you desaturate by 10%, it is **15.1813, 0.2997, 0.3944**.

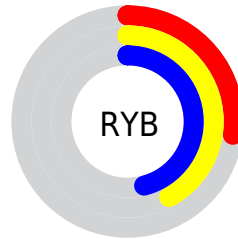
Distribution



Red (27%)

Green (46%)

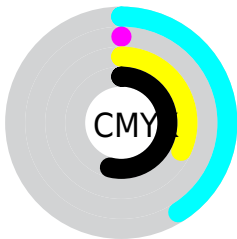
Blue (31%)



Red (27%)

Yellow (42%)

Blue (46%)

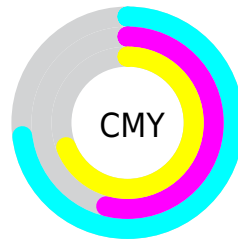


Cyan (41%)

Magenta (0%)

Yellow (32%)

Black (54%)



Cyan (73%)


Magenta (54%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5670, 0.2959, 0.4199 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 14.5670, 0.2959, 0.4199 by changing the saturation by 10% instead.


 14.5670, 0.2959,
0.4199

 14.5670, 0.2959,
0.4199


220.7302, 0.3072,
0.3634

 8.5161, 0.2913,
0.4400


 34.0918, 0.3010,
0.3957


 4.4269, 0.2836,
0.4711

 48.3344, 0.3026,
0.3878


 1.9151, 0.2699,
0.5278

 66.0763, 0.3038,
0.3816

 0.5574, 0.0000,
1.0000

 87.7020, 0.3048,
0.3766

 0.0000, 0.0000,
0.0000

 113.5959, 0.3055,
0.3724

144.1423, 0.3062,

0.3689

179.7256, 0.3067,
0.3660

■ 14.5670, 0.2959,
0.4199

■ 14.5670, 0.2959,
0.4199

■ 14.0563, 0.2927,
0.4470

■ 15.1813, 0.2997,
0.3944

■ 13.6416, 0.2903,
0.4749

■ 15.9025, 0.3038,
0.3709

■ 13.3173, 0.2890,
0.5025


■ 16.7362, 0.3080,
0.3497

■ 13.0763, 0.2889,
0.5284

■ 17.6869, 0.3123,
0.3308

■ 12.9105, 0.2901,
0.5513

■ 18.7590, 0.3165,
0.3141

 12.7999, 0.2913,
0.5688

 19.9566, 0.3205,
0.2994

 21.2835, 0.3243,
0.2866

 22.7435, 0.3279,
0.2754

 24.3402, 0.3312,
0.2657

Harmonies

Analogous

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



14.5670, 0.3549, 0.4396



14.5670, 0.2959, 0.4199



14.5670, 0.2443, 0.3665

Triad

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



14.5670, 0.2959, 0.4199



14.5670, 0.2231, 0.2371



14.5670, 0.4238, 0.3366

Complementary

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



14.5670, 0.2959, 0.4199



9.0837, 0.3360, 0.2529

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.



14.5670, 0.3815, 0.2923



14.5670, 0.2959, 0.4199



14.5670, 0.2633, 0.2373

Square

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



14.5670, 0.2959, 0.4199



14.5670, 0.2057, 0.2594



14.5670, 0.3208, 0.2571



14.5670, 0.4319, 0.3830

Rectangle

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



14.5670, 0.2959, 0.4199



14.5670, 0.2206, 0.3247



14.5670, 0.3208, 0.2571



14.5670, 0.4130, 0.3213

Sweetspot

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



14.5676, 0.2959, 0.4199



29.7628, 0.3075, 0.3523



16.2535, 0.3562, 0.4303



6.8093, 0.3071, 0.3542



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.



14.5676, 0.2959, 0.4199



25.2327, 0.2929, 0.4450



14.9759, 0.2720, 0.3609



4.1107, 0.3089, 0.3458



14.1012, 0.2915, 0.5696



68.6056, 0.2938, 0.5775

Inverse Universe

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



9.0837, 0.3360, 0.2529



13.9991, 0.3430, 0.2366



8.6611, 0.3814, 0.3000



3.7443, 0.3168, 0.3128



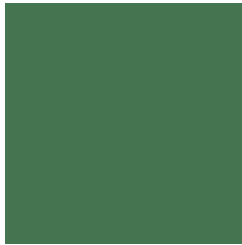
4.9826, 0.3860, 0.1900



24.1462, 0.3902, 0.1923

Previews

White Background



This preview shows how the Yxy color 14.5670, 0.2959, 0.4199 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 14.5670, 0.2959, 0.4199 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 14.5670, 0.2959, 0.4199

Background



This preview shows how black text looks on a background with the Yxy color 14.5670, 0.2959, 0.4199.



This preview shows how white text looks on a background with the Yxy color 14.5670, 0.2959, 0.4199.

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

14.5670, 0.2959, 0.4199

Protanopia

14.3935, 0.3662, 0.3945

Deuteranopia

14.4124, 0.3728, 0.3674



Tritanopia

14.5885, 0.2623, 0.3089

Trichromacy



Original Color

14.5670, 0.2959, 0.4199

Protanomaly

14.2844, 0.3378, 0.4037

Deuteranomaly

14.0676, 0.3413, 0.3844

Tritanomaly

14.5711, 0.2747, 0.3475

Monochromacy



Original Color

14.5670, 0.2959, 0.4199

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.8847, 0.3056, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5670, 0.2959, 0.4199 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(69, 117, 80)` looks like.

```
.text, #text, p{  
    color:rgb(69, 117, 80)  
}
```

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(69, 117, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 117, 80) }
```

Border

The CSS property to change the border of an element to Yxy 14.5670, 0.2959, 0.4199 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(69, 117, 80) }
```

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

```
.border{ border-color:rgb(69, 117, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 117, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 117, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 117, 80);  
box-shadow:4px 4px 4px 4px rgb(69, 117,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5670, 0.2959, 0.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 117, 80) }
```

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

```
.background{ background-color: rgb(69, 117,  
80) }
```

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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