

Converting Colors

$Y_{xy}(14.6211, 0.2852, 0.3942)$

Have a look what the booklet for
Yxy(14.6211, 0.2852, 0.3942)
contains.

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Color

Yxy(14.7260, 0.2855, 0.3944)

Conversions

Conversions Part 1

Format	Color
Hex	45755A
RGB	69, 117, 90
RGB Percent	27%, 46%, 35%
CMY	0.7295, 0.5412, 0.6471
CMYK	0.41, 0.00, 0.23, 0.54
HSL	146°, 26%, 36%
HSV	146°, 41%, 46%
XYZ	10.6599, 14.7260, 11.9518
YIQ	99.5700, -19.9410, -18.5730

Conversions

Conversions Part 2

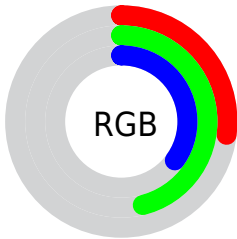
Format	Color
R_{YB}	69, 102, 117
Decimal	4552026
CIE _{Lab}	45.26, -22.91, 9.85
CIE _{LCh}	45, 24.941, 156.729
Yxy	14.7260, 0.2855, 0.3944
Android (android.graphics.Color)	4282742106 (0xFF45755A)
YUV	99.5700, -4.7180, -26.8099
Hunter-Lab	38.3745, -17.5704, 8.3961

Details

The Yxy color **14.7260, 0.2855, 0.3944** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.8812, 0.3548, 0.2722**, and the grayscale version is **12.6442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1913, 0.2924, 0.3768**, and **4.4648, 0.2710, 0.4305** is the 20% darker color. If you saturate the color by 10%, you get **14.2330, 0.2805, 0.4140**, and if you desaturate by 10%, it is **15.3145, 0.2914, 0.3761**.

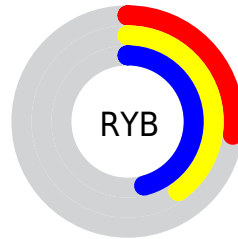
Distribution



Red (27%)

Green (46%)

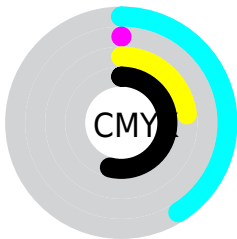
Blue (35%)



Red (27%)

Yellow (40%)

Blue (46%)

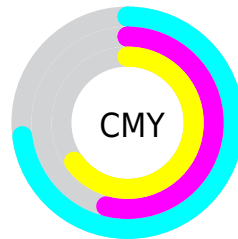


Cyan (41%)

Magenta (0%)

Yellow (23%)

Black (54%)



Cyan (73%)


Magenta (54%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7260, 0.2855, 0.3944 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 14.7260, 0.2855, 0.3944 by changing the saturation by 10% instead.


 14.7260, 0.2855,
0.3944

 14.7260, 0.2855,
0.3944


221.7017, 0.3023,
0.3541


 8.6273, 0.2796,
0.4085


 34.3718, 0.2927,
0.3773


 4.4989, 0.2703,
0.4302

 48.6877, 0.2950,
0.3717


 1.9564, 0.2542,
0.4678

 66.5114, 0.2969,
0.3672

 0.5819, 0.0000,
1.0000

 88.2274, 0.2984,
0.3636

 0.0000, 0.0000,
0.0000

 114.2200, 0.2996,
0.3606

144.8737, 0.3007,

0.3581

180.5728, 0.3016,
0.3560

■ 14.7260, 0.2855,
0.3944

■ 14.7260, 0.2855,
0.3944

■ 14.2330, 0.2805,
0.4140

■ 15.3145, 0.2914,
0.3761

■ 13.8285, 0.2766,
0.4345

■ 16.0015, 0.2980,
0.3593

■ 13.5073, 0.2742,
0.4555


■ 16.7922, 0.3049,
0.3440


■ 13.2629, 0.2735,
0.4765

■ 17.6907, 0.3120,
0.3303


■ 13.0878, 0.2745,
0.4967


■ 18.7010, 0.3191,
0.3181

 12.9646, 0.2761,
0.5141

 19.8269, 0.3260,
0.3073

 21.0720, 0.3328,
0.2978

 22.4396, 0.3393,
0.2894

 23.9331, 0.3456,
0.2820

Harmonies

Analogous

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



14.7260, 0.3356, 0.4204



14.7260, 0.2855, 0.3944



14.7260, 0.2448, 0.3461

Triad

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



14.7260, 0.2855, 0.3944



14.7260, 0.2437, 0.2481



14.7260, 0.4118, 0.3481

Complementary

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



14.7260, 0.2855, 0.3944



8.8812, 0.3548, 0.2722

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.



14.7260, 0.3833, 0.3082



14.7260, 0.2855, 0.3944



14.7260, 0.2836, 0.2530

Square

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



14.7260, 0.2855, 0.3944



14.7260, 0.2225, 0.2624



14.7260, 0.3349, 0.2745



14.7260, 0.4106, 0.3870

Rectangle

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



14.7260, 0.2855, 0.3944



14.7260, 0.2278, 0.3122



14.7260, 0.3349, 0.2745



14.7260, 0.4054, 0.3345

Sweetspot

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



14.7266, 0.2855, 0.3944



29.8768, 0.3040, 0.3459



15.6508, 0.3418, 0.4356



6.8372, 0.3033, 0.3473



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.



14.7266, 0.2855, 0.3944



25.5474, 0.2808, 0.4124



15.1990, 0.2619, 0.3362



4.1224, 0.3063, 0.3412



14.2796, 0.2764, 0.5149



69.4203, 0.2790, 0.5245

Inverse Universe

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



8.8812, 0.3548, 0.2722



13.5863, 0.3684, 0.2598



8.5070, 0.4032, 0.3223



3.7321, 0.3197, 0.3171



4.5947, 0.4632, 0.2326



22.2158, 0.4730, 0.2379

Previews

White Background



This preview shows how the Yxy color 14.7260, 0.2855, 0.3944 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 14.7260, 0.2855, 0.3944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

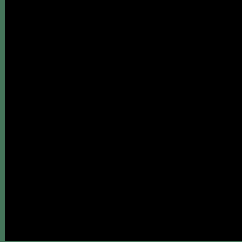
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7260, 0.2855, 0.3944

Background



This preview shows how black text looks on a background with the Yxy color 14.7260, 0.2855, 0.3944.



This preview shows how white text looks on a background with the Yxy color 14.7260, 0.2855, 0.3944.

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

14.7260, 0.2855, 0.3944

Protanopia

14.4747, 0.3511, 0.3735

Deuteranopia

14.6284, 0.3547, 0.3493



Tritanopia

14.7519, 0.2596, 0.3089

Trichromacy



Original Color

14.7260, 0.2855, 0.3944

Protanomaly

14.3814, 0.3238, 0.3809

Deuteranomaly

14.3814, 0.3263, 0.3642

Tritanomaly

14.5769, 0.2686, 0.3381

Monochromacy



Original Color

14.7260, 0.2855, 0.3944

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.2764, 0.3021, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7260, 0.2855, 0.3944 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(69, 117, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 117, 90) }
```

Border

The CSS property to change the border of an element to Yxy 14.7260, 0.2855, 0.3944 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, 90) }
```

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

```
.border{ border-color:rgb(69, 117, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 117, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 117, 90);  
box-shadow:4px 4px 4px 4px rgb(69, 117,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7260, 0.2855, 0.3944 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, 90) }
```

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

```
.background{ background-color: rgb(69, 117,  
90) }
```

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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