

Converting Colors

$Y_{xy}(11.5856, 0.3252, 0.4498)$

Have a look what the booklet for
Yxy(11.5856, 0.3252, 0.4498)
contains.

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Color

Yxy(11.5838, 0.3255, 0.4496)

Conversions

Conversions Part 1

Format	Color
Hex	48683A
RGB	72, 104, 58
RGB Percent	28%, 41%, 23%
CMY	0.7176, 0.5921, 0.7726
CMYK	0.31, 0.00, 0.44, 0.59
HSL	102°, 28%, 32%
HSV	102°, 44%, 41%
XYZ	8.3864, 11.5838, 5.7945
YIQ	89.1880, -4.3060, -21.0900

Conversions

Conversions Part 2

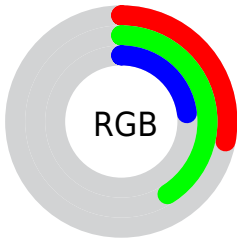
Format	Color
RYB	58, 104, 90
Decimal	4745274
CIELab	40.55, -21.14, 22.27
CIELCh	41, 30.704, 133.515
Yxy	11.5838, 0.3255, 0.4496
Android (android.graphics.Color)	4282935354 (0xFF48683A)
YUV	89.1880, -15.3757, -15.0739
Hunter-Lab	34.0350, -15.5779, 13.7303

Details

The Yxy color **11.5838, 0.3255, 0.4496** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.1966, 0.2908, 0.2191**, and the grayscale version is **10.0694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6209, 0.3241, 0.4151**, and **3.1646, 0.3222, 0.5247** is the 20% darker color. If you saturate the color by 10%, you get **11.2272, 0.3267, 0.4801**, and if you desaturate by 10%, it is **11.9955, 0.3234, 0.4194**.

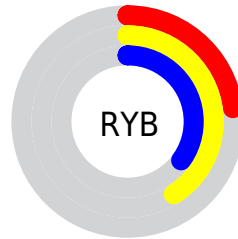
Distribution



Red (28%)

Green (41%)

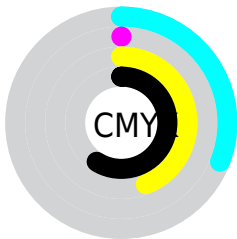
Blue (23%)



Red (23%)

Yellow (41%)

Blue (35%)

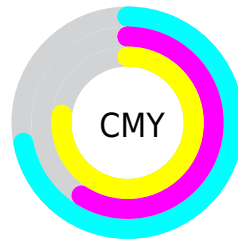


Cyan (31%)

Magenta (0%)

Yellow (44%)

Black (59%)



Cyan (72%)


Magenta (59%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.5838, 0.3255, 0.4496 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 11.5838, 0.3255, 0.4496 by changing the saturation by 10% instead.


 11.5838, 0.3255,
0.4496


 11.5838, 0.3255,
0.4496


 201.6301, 0.3198,
0.3726


 6.4610, 0.3254,
0.4782


 28.7348, 0.3240,
0.4159


 3.1273, 0.3228,
0.5233

 41.5317, 0.3232,
0.4051


 1.1986, 0.3312,
0.6688

 57.6554, 0.3225,
0.3967

 0.0605, 0.0000,
1.0000

 77.4904, 0.3218,
0.3900

 0.0000, 0.0000,
0.0000

 101.4209, 0.3212,
0.3845

 129.8315, 0.3207,

0.3799

163.1064, 0.3202,
0.3760

■ 11.5838, 0.3255,
0.4496

■ 11.5838, 0.3255,
0.4496

■ 11.2272, 0.3267,
0.4801

■ 11.9955, 0.3234,
0.4194

■ 10.9217, 0.3269,
0.5096

■ 12.4631, 0.3206,
0.3904

■ 10.6652, 0.3257,
0.5364

■ 12.9892, 0.3175,
0.3635

■ 10.4549, 0.3232,
0.5589

■ 13.5758, 0.3142,
0.3388

■ 10.2865, 0.3197,
0.5763

■ 14.2248, 0.3108,
0.3165

■ 10.2032, 0.3179,
0.5858

■ 14.9380, 0.3074,
0.2965

■ 15.7172, 0.3041,
0.2787

■ 16.5641, 0.3009,
0.2630

■ 17.4802, 0.2980,
0.2490

Harmonies

Analogous

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



11.5838, 0.3892, 0.4479



11.5838, 0.3255, 0.4496



11.5838, 0.2617, 0.4052

Triad

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



11.5838, 0.3255, 0.4496



11.5838, 0.2003, 0.2350



11.5838, 0.4188, 0.3115

Complementary

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



11.5838, 0.3255, 0.4496



6.1966, 0.2908, 0.2191

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.



11.5838, 0.3573, 0.2670



11.5838, 0.3255, 0.4496



11.5838, 0.2323, 0.2240

Square

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



11.5838, 0.3255, 0.4496



11.5838, 0.1940, 0.2721



11.5838, 0.2878, 0.2360



11.5838, 0.4479, 0.3625

Rectangle

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



11.5838, 0.3255, 0.4496



11.5838, 0.2278, 0.3586



11.5838, 0.2878, 0.2360



11.5838, 0.4008, 0.2956

Sweetspot

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



11.5843, 0.3255, 0.4496



22.8740, 0.3172, 0.3612



10.4650, 0.3872, 0.4020



5.5398, 0.3178, 0.3656



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.5843, 0.3255, 0.4496



19.6821, 0.3268, 0.4809



11.1984, 0.2973, 0.4330



3.1793, 0.3157, 0.3500



12.5612, 0.3172, 0.5864



65.1016, 0.3135, 0.5893

Inverse Universe

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



6.1966, 0.2908, 0.2191



8.8987, 0.2838, 0.1937



6.8042, 0.3338, 0.2439



2.8493, 0.3094, 0.3084



2.9282, 0.2481, 0.1141



14.7988, 0.2439, 0.1117

Previews

White Background



This preview shows how the Yxy color 11.5838, 0.3255, 0.4496 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 11.5838, 0.3255, 0.4496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

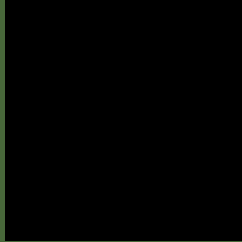
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5838, 0.3255, 0.4496

Background



This preview shows how black text looks on a background with the Yxy color 11.5838, 0.3255, 0.4496.



This preview shows how white text looks on a background with the Yxy color 11.5838, 0.3255, 0.4496.

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

11.5838, 0.3255, 0.4496

Protanopia

11.4635, 0.3880, 0.4193

Deuteranopia

11.4639, 0.4000, 0.3935



Tritanopia

11.4814, 0.2773, 0.3097

Trichromacy



Original Color

11.5838, 0.3255, 0.4496

Protanomaly

11.3480, 0.3639, 0.4303

Deuteranomaly

11.3446, 0.3700, 0.4138

Tritanomaly

11.4134, 0.2945, 0.3568

Monochromacy



Original Color

11.5838, 0.3255, 0.4496

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.3945, 0.3185, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5838, 0.3255, 0.4496 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(72, 104, 58)` looks like.

```
.text, #text, p{  
    color:rgb(72, 104, 58)  
}
```

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(72, 104, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 104, 58) }
```

Border

The CSS property to change the border of an element to Yxy 11.5838, 0.3255, 0.4496 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(72, 104, 58) }
```

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

```
.border{ border-color:rgb(72, 104, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 104, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 104, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 104, 58);  
box-shadow:4px 4px 4px 4px rgb(72, 104,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5838, 0.3255, 0.4496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 104, 58) }
```

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

```
.background{ background-color: rgb(72, 104,  
58) }
```

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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