

Converting Colors

$Y_{xy}(11.9106, 0.3324, 0.4414)$

Have a look what the booklet for
Yxy(11.9106, 0.3324, 0.4414)
contains.

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Color

Yxy(11.8466, 0.3318, 0.4413)

Conversions

Conversions Part 1

Format	Color
Hex	4E683C
RGB	78, 104, 60
RGB Percent	31%, 41%, 24%
CMY	0.6942, 0.5921, 0.7647
CMYK	0.25, 0.00, 0.42, 0.59
HSL	95°, 27%, 32%
HSV	95°, 42%, 41%
XYZ	8.9071, 11.8466, 6.0911
YIQ	91.2100, -1.3720, -19.1960

Conversions

Conversions Part 2

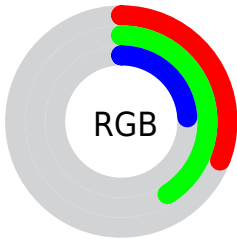
Format	Color
RYB	60, 104, 86
Decimal	5138492
CIELab	40.97, -18.46, 21.74
CIElCh	41, 28.514, 130.335
Yxy	11.8466, 0.3318, 0.4413
Android (android.graphics.Color)	4283328572 (0xFF4E683C)
YUV	91.2100, -15.3865, -11.5852
Hunter-Lab	34.4189, -14.0399, 13.6007

Details

The Yxy color **11.8466, 0.3318, 0.4413** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.2094, 0.2836, 0.2215**, and the grayscale version is **10.5478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1146, 0.3285, 0.4099**, and **3.2707, 0.3347, 0.5086** is the 20% darker color. If you saturate the color by 10%, you get **11.5001, 0.3347, 0.4706**, and if you desaturate by 10%, it is **12.2400, 0.3280, 0.4123**.

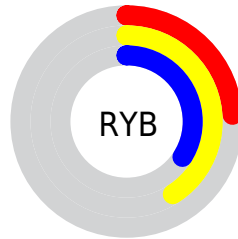
Distribution



Red (31%)

Green (41%)

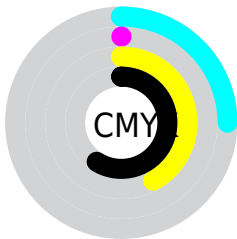
Blue (24%)



Red (24%)

Yellow (41%)

Blue (34%)

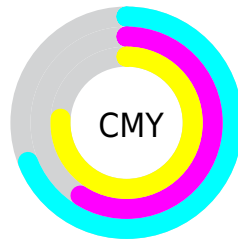


Cyan (25%)

Magenta (0%)

Yellow (42%)

Black (59%)



Cyan (69%)


Magenta (59%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8466, 0.3318, 0.4413 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 11.8466, 0.3318, 0.4413 by changing the saturation by 10% instead.


 11.8466, 0.3318,
0.4413


 11.8466, 0.3318,
0.4413


 203.3871, 0.3219,
0.3701


 6.6393, 0.3334,
0.4673


 29.2154, 0.3285,
0.4103


 3.2376, 0.3337,
0.5080

 42.1457, 0.3271,
0.4004

 1.2570, 0.3590,
0.6410

 58.4192, 0.3259,
0.3926

 0.1075, 0.0000,
1.0000

 78.4201, 0.3249,
0.3864

 0.0000, 0.0000,
0.0000

 102.5330, 0.3240,
0.3812

 131.1422, 0.3232,

0.3769

164.6321, 0.3225,
0.3733

■ 11.8466, 0.3318,
0.4413

■ 11.8466, 0.3318,
0.4413

■ 11.5001, 0.3347,
0.4706

■ 12.2400, 0.3280,
0.4123

■ 11.1971, 0.3362,
0.4989

■ 12.6806, 0.3236,
0.3845

■ 10.9360, 0.3363,
0.5249


■ 13.1707, 0.3188,
0.3583


■ 10.7144, 0.3347,
0.5472

■ 13.7118, 0.3139,
0.3343


■ 10.5295, 0.3314,
0.5648


■ 14.3054, 0.3089,
0.3124

 10.4051, 0.3288,
0.5771

 14.9530, 0.3041,
0.2926

 15.6561, 0.2995,
0.2749

 16.4159, 0.2951,
0.2591

 17.2338, 0.2910,
0.2450

Harmonies

Analogous

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



11.8466, 0.3898, 0.4368



11.8466, 0.3318, 0.4413



11.8466, 0.2717, 0.4046

Triad

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



11.8466, 0.3318, 0.4413



11.8466, 0.2061, 0.2444



11.8466, 0.4055, 0.3084

Complementary

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



11.8466, 0.3318, 0.4413



6.2094, 0.2836, 0.2215

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.



11.8466, 0.3472, 0.2675



11.8466, 0.3318, 0.4413



11.8466, 0.2338, 0.2312

Square

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



11.8466, 0.3318, 0.4413



11.8466, 0.2030, 0.2821



11.8466, 0.2836, 0.2401



11.8466, 0.4364, 0.3560

Rectangle

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



11.8466, 0.3318, 0.4413



11.8466, 0.2386, 0.3635



11.8466, 0.2836, 0.2401



11.8466, 0.3881, 0.2937

Sweetspot

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



11.8471, 0.3318, 0.4413



23.0102, 0.3193, 0.3610



9.8720, 0.3875, 0.3893



5.5767, 0.3201, 0.3654



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.



11.8471, 0.3318, 0.4413



20.1672, 0.3347, 0.4709



11.2284, 0.3029, 0.4400



3.1921, 0.3171, 0.3499



12.8071, 0.3280, 0.5778



66.3093, 0.3240, 0.5810

Inverse Universe

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



6.2094, 0.2836, 0.2215



8.7997, 0.2743, 0.1946



7.1010, 0.3241, 0.2387



2.8360, 0.3080, 0.3083



2.4548, 0.2249, 0.1013



12.2823, 0.2197, 0.0984

Previews

White Background



This preview shows how the Yxy color 11.8466, 0.3318, 0.4413 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 11.8466, 0.3318, 0.4413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

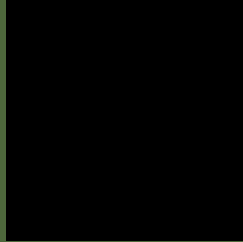
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8466, 0.3318, 0.4413

Background



This preview shows how black text looks on a background with the Yxy color 11.8466, 0.3318, 0.4413.



This preview shows how white text looks on a background with the Yxy color 11.8466, 0.3318, 0.4413.

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

11.8466, 0.3318, 0.4413

Protanopia

11.6644, 0.3843, 0.4171

Deuteranopia

11.7262, 0.3977, 0.3910



Tritanopia

11.8956, 0.2840, 0.3125

Trichromacy



Original Color

11.8466, 0.3318, 0.4413

Protanomaly

11.6621, 0.3638, 0.4266

Deuteranomaly

11.5383, 0.3722, 0.4077

Tritanomaly

11.8225, 0.3014, 0.3586

Monochromacy



Original Color

11.8466, 0.3318, 0.4413

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.9234, 0.3200, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8466, 0.3318, 0.4413 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, 104, 60)` looks like.

```
.text, #text, p{  
    color:rgb(78, 104, 60)  
}
```

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, 104, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 104, 60) }
```

Border

The CSS property to change the border of an element to Yxy 11.8466, 0.3318, 0.4413 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, 104, 60) }
```

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

```
.border{ border-color:rgb(78, 104, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 104, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 104, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 104, 60);  
box-shadow:4px 4px 4px 4px rgb(78, 104,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8466, 0.3318, 0.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 104, 60) }
```

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

```
.background{ background-color: rgb(78, 104,  
60) }
```

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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