

Converting Colors

XYZ(9.4830, 12.3314, 11.3315)

Have a look what the booklet for
XYZ(9.4830, 12.3314, 11.3315)
contains.

XYZ(9.4830, 12.3314, 11.3316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.4830, 12.3314,
11.3316)**

Conversions

Conversions Part 1

Format	Color
Hex	466A59
RGB	70, 106, 89
RGB Percent	27%, 42%, 35%
CMY	0.7255, 0.5843, 0.6510
CMYK	0.34, 0.00, 0.16, 0.58
HSL	152°, 20%, 35%
HSV	152°, 34%, 42%
XYZ	9.4830, 12.3314, 11.3316
YIQ	93.2980, -15.9990, -12.9190

Conversions

Conversions Part 2

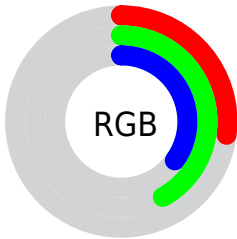
Format	Color
R_YB	70, 94, 106
Decimal	4614745
CIE Lab	41.74, -16.97, 5.47
CIE LCh	42, 17.829, 162.122
Yxy	12.3314, 0.2861, 0.3720
Android (android.graphics.Color)	4282804825 (0xFF466A59)
YUV	93.2980, -2.1189, -20.4323
Hunter-Lab	35.1161, -13.2498, 5.4490

Details

The XYZ color **9.4830, 12.3314, 11.3316** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.8547, 8.1329, 10.0678**, and the grayscale version is **10.4819, 11.0278, 12.0092**.

A 20% lighter version of the original color is **24.4629, 29.9711, 28.9218**, and **2.3444, 3.4022, 2.9160** is the 20% darker color. If you saturate the color by 10%, you get **8.5818, 11.8906, 10.2293**, and if you desaturate by 10%, it is **10.5342, 12.8485, 12.5161**.

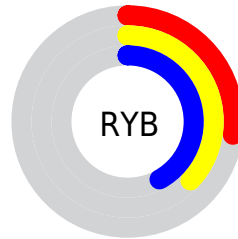
Distribution



Red (27%)

Green (42%)

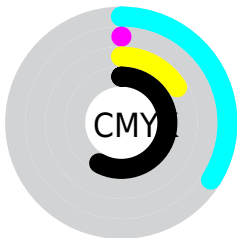
Blue (35%)



Red (27%)

Yellow (37%)

Blue (42%)

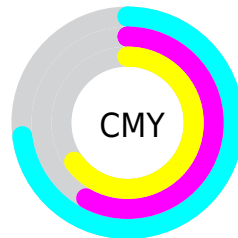


Cyan (34%)

Magenta (0%)

Yellow (16%)

Black (58%)



Cyan (73%)

Magenta (58%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.4830, 12.3314, 11.3316 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 XYZ color 9.4830, 12.3314, 11.3316 by changing the saturation by 10% instead.

■ 9.4830, 12.3314,
11.3316

■ 9.4830, 12.3314,
11.3316

181.0731,
206.5871, 210.7470

■ 5.1172, 6.9698,
6.1734

■ 24.4770, 30.0973,
28.9177

■ 2.3516, 3.4432,
2.8803

■ 35.8359, 43.2703,
42.1827

■ 0.8209, 1.3673,
1.0338

■ 50.2566, 59.8160,
58.9869

■ 0.0000, 0.1924,
0.0000

■ 68.1043, 80.1186,
79.7491

■ 0.0000, 0.0000,
0.0000

■ 89.7444, 104.5626,
104.8876

115.5424,

133.5325, 134.8211

145.8635,
167.4125, 169.9681

■ 9.4830, 12.3314,
11.3316

■ 9.4830, 12.3314,
11.3316

■ 8.5818, 11.8906,
10.2293

■ 10.5342, 12.8485,
12.5161

■ 7.8222, 11.5209,
9.2066

■ 11.7413, 13.4440,
13.7837

■ 7.1965, 11.2186,
8.2617

■ 13.1109, 14.1216,
15.1364

■ 6.6958, 10.9792,
7.3928

■ 14.6493, 14.8843,
16.5758

■ 6.3100, 10.7975,
6.5978

■ 16.3619, 15.7352,
18.1035

■ 6.0229, 10.6652,
5.8742

■ 18.2545, 16.6770,
19.7210

■ 5.8667, 10.5934,
5.4697

■ 20.3320, 17.7123,
21.4299

■ 22.5997, 18.8438,
23.2317

■ 25.0621, 20.0738,
25.1276

Harmonies

Analogous

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



10.1110, 12.3314, 8.7552



9.4830, 12.3314, 11.3316



9.4263, 12.3314, 14.9994

Triad

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



9.4830, 12.3314, 11.3316



12.2576, 12.3314, 21.7874



13.6901, 12.3314, 9.1461

Complementary

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



9.4830, 12.3314, 11.3316



9.8547, 8.1329, 10.0678

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.



14.3600, 12.3314, 11.9681



9.4830, 12.3314, 11.3316



13.4926, 12.3314, 19.5201

Square

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



9.4830, 12.3314, 11.3316



10.9642, 12.3314, 21.5295



14.2852, 12.3314, 15.7655



12.5111, 12.3314, 7.6647

Rectangle

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



9.4830, 12.3314, 11.3316



9.7141, 12.3314, 17.6397



14.2852, 12.3314, 15.7655



13.9861, 12.3314, 9.9445

Sweetspot

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



9.4833, 12.3319, 11.3319



21.4577, 24.0149, 25.0473



10.2279, 12.7963, 7.7254



4.9707, 5.5979, 5.8117



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



9.4833, 12.3319, 11.3319



15.3311, 20.9996, 18.2954



10.2201, 12.5280, 15.5157



3.1245, 3.4690, 3.6393



7.2632, 13.1394, 6.6972



36.5674, 66.7740, 31.7983

Inverse Universe

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



9.8547, 8.1329, 10.0678



16.0939, 12.3794, 15.7019



9.2776, 7.9624, 6.8425



3.1537, 3.1384, 3.5397



8.0756, 4.0824, 4.0265



40.7159, 20.6283, 18.2385

Previews

White Background



This preview shows how the XYZ color 9.4830, 12.3314, 11.3316 looks on a white background.

Color Contrast Check

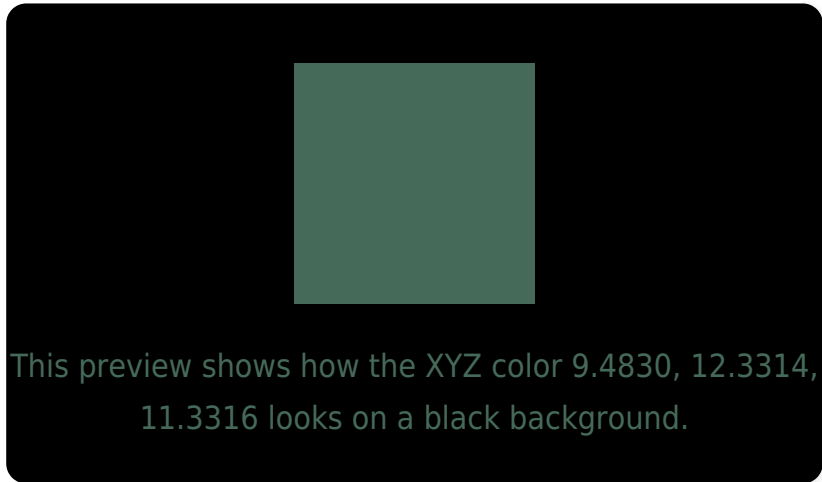
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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](#).

XYZ 9.4830, 12.3314, 11.3316

Background



This preview shows how black text looks on a background with the XYZ color 9.4830, 12.3314, 11.3316.



This preview shows how white text looks on a background with the XYZ color 9.4830, 12.3314,

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

9.4830, 12.3314, 11.3316

Protanopia

11.6009, 12.2748, 10.3522

Deuteranopia

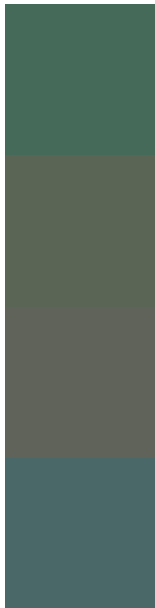
12.4109, 12.2547, 11.6088



Tritanopia

10.6211, 12.3440, 16.8618

Trichromacy



Original Color

9.4830, 12.3314, 11.3316

Protanomaly

10.6478, 12.2034, 10.5984

Deuteranomaly

11.0266, 12.0948, 11.4262

Tritanomaly

10.1461, 12.2964, 14.6706

Monochromacy



Original Color

9.4830, 12.3314, 11.3316

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.0458, 11.4394, 11.8038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4830, 12.3314, 11.3316 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(70, 106, 89)` looks like.

```
.text, #text, p{  
    color:rgb(70, 106, 89)  
}
```

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(70, 106, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 106, 89) }
```

Border

The CSS property to change the border of an element to XYZ 9.4830, 12.3314, 11.3316 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(70, 106, 89) }
```


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

```
.border{ border-color:rgb(70, 106, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 106, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 106, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 106, 89);  
box-shadow:4px 4px 4px 4px rgb(70, 106,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 9.4830, 12.3314, 11.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 106, 89) }
```

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

```
.background{ background-color: rgb(70, 106,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor