

Converting Colors

XYZ(12.2915, 14.8110, 14.9940)

Have a look what the booklet for
XYZ(12.2915, 14.8110, 14.9940)
contains.

XYZ(12.2838, 14.8158, 15.0443)	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(12.2838, 14.8158,
15.0443)**

Conversions

Conversions Part 1

Format	Color
Hex	577167
RGB	87, 113, 103
RGB Percent	34%, 44%, 40%
CMY	0.6588, 0.5569, 0.5961
CMYK	0.23, 0.00, 0.09, 0.56
HSL	157°, 13%, 39%
HSV	157°, 23%, 44%
XYZ	12.2838, 14.8158, 15.0443
YIQ	104.0860, -12.2860, -8.6220

Conversions

Conversions Part 2

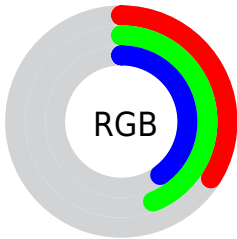
Format	Color
RYB	87, 103, 113
Decimal	5730663
CIELab	45.38, -11.78, 2.43
CIELCh	45, 12.027, 168.325
Yxy	14.8158, 0.2915, 0.3516
Android (android.graphics.Color)	4283920743 (0xFF577167)
YUV	104.0860, -0.5354, -14.9844
Hunter-Lab	38.4913, -10.3947, 3.7704

Details

The XYZ color **12.2838, 14.8158, 15.0443** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3764, 11.1905, 12.8176**, and the grayscale version is **13.1852, 13.8719, 15.1065**.

A 20% lighter version of the original color is **29.6044, 34.5617, 35.6826**, and **3.5186, 4.5375, 4.4318** is the 20% darker color. If you saturate the color by 10%, you get **11.0978, 14.2294, 13.8795**, and if you desaturate by 10%, it is **13.6472, 15.4932, 16.2772**.

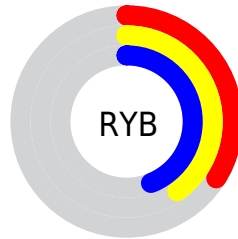
Distribution



Red (34%)

Green (44%)

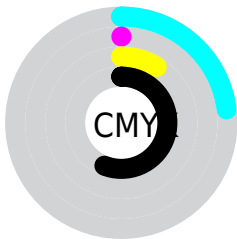
Blue (40%)



Red (34%)

Yellow (40%)

Blue (44%)

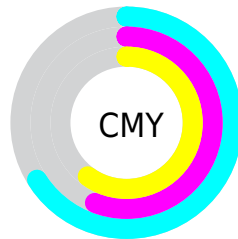


Cyan (23%)

Magenta (0%)

Yellow (9%)

Black (56%)



Cyan (66%)

Magenta (56%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2838, 14.8158, 15.0443 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 12.2838, 14.8158, 15.0443 by changing the saturation by 10% instead.

■ 12.2838, 14.8158,
15.0443

■ 12.2838, 14.8158,
15.0443

200.0069,
222.2486, 235.2842

■ 7.0108, 8.6902,
8.7035

■ 29.6233, 34.5297,
35.6743

■ 3.5153, 4.5397,
4.4541

■ 42.4206, 48.8868,
50.8006

■ 1.4317, 1.9798,
1.8776

■ 58.4567, 66.7566,
69.6924

■ 0.2787, 0.5957,
0.4785

■ 78.0970, 88.5233,
92.7684

■ 0.0000, 0.0000,
0.0000

■ 101.7068,
114.5715, 120.4470

129.6515,

145.2855, 153.1468

162.2964,
181.0498, 191.2864

■ 12.2838, 14.8158,
15.0443

■ 12.2838, 14.8158,
15.0443

■ 11.0978, 14.2294,
13.8795

■ 13.6472, 15.4932,
16.2772

■ 10.0801, 13.7280,
12.7807

■ 15.1940, 16.2634,
17.5785

■ 9.2227, 13.3080,
11.7468

■ 16.9316, 17.1306,
18.9497

■ 8.5163, 12.9646,
10.7764

■ 18.8665, 18.0982,
20.3918

■ 7.9508, 12.6925,
9.8682

■ 21.0050, 19.1693,
21.9061

■ 7.5147, 12.4860,
9.0205

■ 23.3529, 20.3470,
23.4937

■ 7.1928, 12.3372,
8.2318

■ 25.9161, 21.6342,
25.1555

■ 6.9963, 12.2472,
7.7130

■ 28.6999, 23.0338,
26.8925

■ 31.7097, 24.5484,
28.7059

Harmonies

Analogous

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



12.6957, 14.8158, 12.7444



12.2838, 14.8158, 15.0443



12.3365, 14.8158, 17.9236

Triad

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



12.2838, 14.8158, 15.0443



14.6944, 14.8158, 21.9363



15.3978, 14.8158, 12.3628

Complementary

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



12.2838, 14.8158, 15.0443



12.3764, 11.1905, 12.8176

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.



15.9848, 14.8158, 14.4638



12.2838, 14.8158, 15.0443



15.5656, 14.8158, 20.0721

Square

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



12.2838, 14.8158, 15.0443



13.6969, 14.8158, 22.1396



16.0476, 14.8158, 17.2707



14.4742, 14.8158, 11.3230

Rectangle

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



12.2838, 14.8158, 15.0443



12.6285, 14.8158, 19.7884



16.0476, 14.8158, 17.2707



15.6429, 14.8158, 12.9561

Sweetspot

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



12.2842, 14.8164, 15.0446



26.0084, 28.5243, 30.4875



12.5984, 15.0625, 11.2604



5.9908, 6.5847, 7.0306



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.2842, 14.8164, 15.0446



20.7391, 25.9077, 25.7269



12.5308, 14.4575, 17.7537



3.4232, 3.7945, 4.0349



7.9260, 13.8879, 8.6973



39.0523, 69.0096, 41.0563

Inverse Universe

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



12.3764, 11.1905, 12.8176



20.9379, 18.1110, 20.9404



12.1533, 11.4442, 10.5854



3.4327, 3.4208, 3.8052



8.2201, 4.1804, 2.9688



40.5534, 20.6667, 12.7124

Previews

White Background



This preview shows how the XYZ color 12.2838, 14.8158, 15.0443 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 XYZ color 12.2838, 14.8158, 15.0443 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

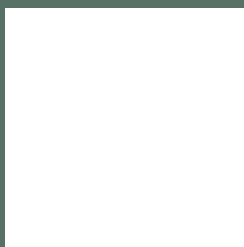
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2838, 14.8158, 15.0443

Background



This preview shows how black text looks on a background with the XYZ color 12.2838, 14.8158, 15.0443.



This preview shows how white text looks on a background with the XYZ color 12.2838, 14.8158,

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

12.2838, 14.8158, 15.0443

Protanopia

14.1135, 14.8150, 14.1723

Deuteranopia

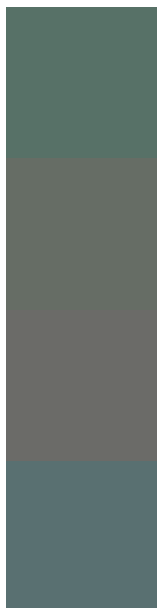
14.9713, 14.7721, 15.4268



Tritanopia

13.2307, 14.8744, 19.6265

Trichromacy



Original Color

12.2838, 14.8158, 15.0443

Protanomaly

13.2971, 14.7016, 14.4488

Deuteranomaly

13.8198, 14.6407, 15.1943

Tritanomaly

12.8946, 14.9044, 17.8200

Monochromacy



Original Color

12.2838, 14.8158, 15.0443

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7934, 14.1115, 15.1462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2838, 14.8158, 15.0443 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(87, 113, 103)` looks like.

```
.text, #text, p{  
    color:rgb(87, 113, 103)  
}
```

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(87, 113, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 113, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.2838, 14.8158, 15.0443 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(87, 113, 103) }
```


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

```
.border{ border-color:rgb(87, 113, 103) }
```

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

Here you see how a box with a 4 pixel rgb(87, 113, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 113, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 113, 103);  
box-shadow:4px 4px 4px 4px rgb(87, 113,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2838, 14.8158, 15.0443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 113, 103) }
```

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

```
.background{ background-color: rgb(87, 113,  
103) }
```

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