

Converting Colors

XYZ(12.8823, 14.8175, 14.0692)

Have a look what the booklet for
XYZ(12.8823, 14.8175, 14.0692)
contains.

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Color

**XYZ(12.8663, 14.8111,
13.9851)**

Conversions

Conversions Part 1

Format	Color
Hex	616F63
RGB	97, 111, 99
RGB Percent	38%, 44%, 39%
CMY	0.6196, 0.5647, 0.6118
CMYK	0.13, 0.00, 0.11, 0.56
HSL	129°, 7%, 41%
HSV	129°, 13%, 44%
XYZ	12.8663, 14.8111, 13.9851
YIQ	105.4460, -4.4920, -6.7000

Conversions

Conversions Part 2

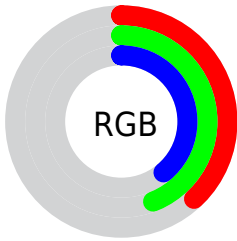
Format	Color
R_{YB}	97, 109, 111
Decimal	6385507
CIE Lab	45.37, -7.82, 4.91
CIE LCh	45, 9.229, 147.870
Yxy	14.8111, 0.3088, 0.3555
Android (android.graphics.Color)	4284575587 (0xFF616F63)
YUV	105.4460, -3.1779, -7.4071
Hunter-Lab	38.4852, -7.6733, 5.3943

Details

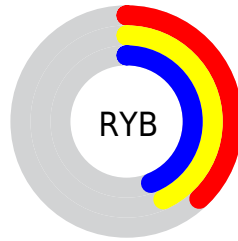
The XYZ color **12.8663, 14.8111, 13.9851** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5910, 13.0333, 16.2679**, and the grayscale version is **13.5579, 14.2639, 15.5334**.

A 20% lighter version of the original color is **30.8150, 34.6923, 33.9263**, and **3.7854, 4.5159, 4.0403** is the 20% darker color. If you saturate the color by 10%, you get **11.3370, 14.0726, 11.6775**, and if you desaturate by 10%, it is **14.6156, 15.6576, 16.5835**.

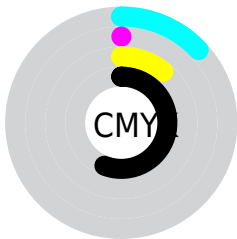
Distribution



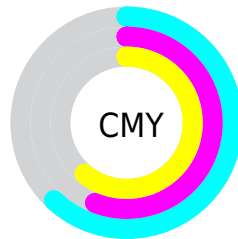
- Red (38%)
- Green (44%)
- Blue (39%)



- Red (38%)
- Yellow (43%)
- Blue (44%)



- Cyan (13%)
- Magenta (0%)
- Yellow (11%)
- Black (56%)



- Cyan (62%)
- Magenta (56%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8663, 14.8111, 13.9851 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 12.8663, 14.8111, 13.9851 by changing the saturation by 10% instead.

■ 12.8663, 14.8111,
13.9851

■ 12.8663, 14.8111,
13.9851

203.7140,
222.2200, 228.5633

■ 7.4129, 8.6869,
7.9717

■ 30.6667, 34.5215,
33.7793

■ 3.7703, 4.5375,
3.9893

■ 43.7445, 48.8764,
48.3972

■ 1.5730, 1.9786,
1.6195

■ 60.0944, 66.7438,
66.7203

■ 0.3747, 0.5950,
0.3047

■ 80.0819, 88.5079,
89.1672

■ 0.0000, 0.0000,
0.0000

104.0722,
114.5532, 116.1564

132.4307,

145.2640, 148.1065

165.5229,
181.0248, 185.4359

■ 12.8663, 14.8111,
13.9851

■ 12.8663, 14.8111,
13.9851

■ 11.3370, 14.0726,
11.6775

■ 14.6156, 15.6576,
16.5835

■ 10.0177, 13.4360,
9.6495

■ 16.5918, 16.6143,
19.4811

■ 8.8996, 12.8974,
7.8908

■ 18.8032, 17.6857,
22.6876

■ 7.9727, 12.4518,
6.3902

■ 21.2571, 18.8752,
26.2117

■ 7.2263, 12.0940,
5.1354

■ 23.9607, 20.1865,
30.0617

■ 6.6483, 11.8181,
4.1133

■ 26.9206, 21.6229,
34.2458

■ 6.2253, 11.6174,
3.3095

■ 30.1435, 23.1875,
38.7717

■ 5.9409, 11.4838,
2.7081

■ 33.6357, 24.8835,
43.6470

■ 5.7772, 11.4064,
2.3819

■ 37.4031, 26.7138,
48.8791

Harmonies

Analogous

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



13.3999, 14.8111, 12.6768



12.8663, 14.8111, 13.9851



12.6559, 14.8111, 15.9704

Triad

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



12.8663, 14.8111, 13.9851



14.0228, 14.8111, 20.7216



15.4206, 14.8111, 14.2336

Complementary

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



12.8663, 14.8111, 13.9851



13.5910, 13.0333, 16.2679

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.



15.6018, 14.8111, 16.2841



12.8663, 14.8111, 13.9851



14.7775, 14.8111, 20.1519

Square

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



12.8663, 14.8111, 13.9851



13.3084, 14.8111, 19.9705



15.3624, 14.8111, 18.4766



14.8757, 14.8111, 12.8109

Rectangle

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



12.8663, 14.8111, 13.9851



12.7213, 14.8111, 17.4565



15.3624, 14.8111, 18.4766



15.5269, 14.8111, 14.8663

Sweetspot

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



12.8667, 14.8117, 13.9854



25.6769, 27.7974, 28.9651



14.1658, 15.4923, 13.5531



6.1198, 6.6545, 6.8863



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.



12.8667, 14.8117, 13.9854



22.2347, 26.1329, 23.8358



13.2092, 14.9487, 15.7890



3.3627, 3.7703, 3.7163



6.8006, 13.4377, 2.7707



33.6764, 66.8592, 12.7469

Inverse Universe

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



13.5910, 13.0333, 16.2679



23.7900, 22.3138, 28.7369



13.2356, 12.8911, 14.3960



3.4949, 3.4457, 4.1329



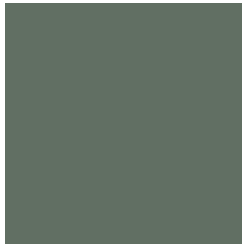
10.1594, 4.9561, 13.1812



50.3662, 24.5918, 64.3856

Previews

White Background



This preview shows how the XYZ color 12.8663, 14.8111, 13.9851 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 12.8663, 14.8111, 13.9851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

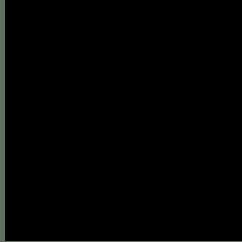
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

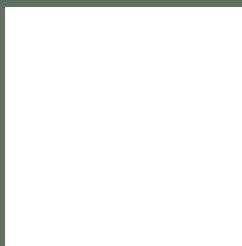
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8663, 14.8111, 13.9851

Background



This preview shows how black text looks on a background with the XYZ color 12.8663, 14.8111, 13.9851.



This preview shows how white text looks on a background with the XYZ color 12.8663, 14.8111, 13.9851.

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

12.8663, 14.8111, 13.9851

Protanopia

14.0975, 14.8232, 13.4274

Deuteranopia

15.0450, 14.8333, 14.3821



Tritanopia

13.8290, 14.7188, 18.9418

Trichromacy



Original Color

12.8663, 14.8111, 13.9851

Protanomaly

13.6306, 14.7328, 13.6806

Deuteranomaly

14.2400, 14.8802, 14.1782

Tritanomaly

13.4287, 14.7157, 16.8845

Monochromacy



Original Color

12.8663, 14.8111, 13.9851

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1854, 14.3194, 14.9009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8663, 14.8111, 13.9851 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(97, 111, 99) looks like.

```
.text, #text, p{  
    color:rgb(97, 111, 99)  
}
```

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(97, 111, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 111, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.8663, 14.8111, 13.9851 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(97, 111, 99) }
```


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

```
.border{ border-color:rgb(97, 111, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 111, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 111, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 111, 99);  
box-shadow:4px 4px 4px 4px rgb(97, 111,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8663, 14.8111, 13.9851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 111, 99) }
```

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

```
.background{ background-color: rgb(97, 111,  
99) }
```

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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