

Converting Colors

XYZ(12.8880, 14.7358, 7.5355)

Have a look what the booklet for
XYZ(12.8880, 14.7358, 7.5355)
contains.

XYZ(12.8957, 14.8083, 7.4888)	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(12.8957, 14.8083,
7.4888)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6E43
RGB	109, 110, 67
RGB Percent	43%, 43%, 26%
CMY	0.5725, 0.5686, 0.7372
CMYK	0.01, 0.00, 0.39, 0.57
HSL	61°, 24%, 35%
HSV	61°, 39%, 43%
XYZ	12.8957, 14.8083, 7.4888
YIQ	104.7990, 13.2070, -13.5850

Conversions

Conversions Part 2

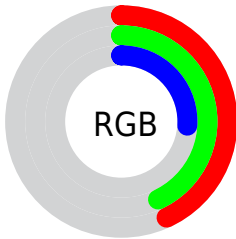
Format	Color
RYB	67, 110, 68
Decimal	7171651
CIELab	45.37, -7.60, 23.87
CIELCh	45, 25.050, 107.670
Yxy	14.8083, 0.3664, 0.4208
Android (android.graphics.Color)	4285361731 (0xFF6D6E43)
YUV	104.7990, -18.6349, 3.6843
Hunter-Lab	38.4816, -7.5249, 15.3988

Details

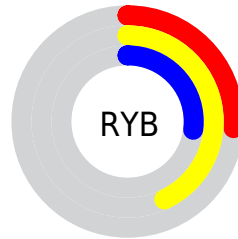
The XYZ color **12.8957, 14.8083, 7.4888** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.2061, 6.3694, 15.6023**, and the grayscale version is **13.4195, 14.1183, 15.3748**.

A 20% lighter version of the original color is **30.5952, 34.3278, 21.5364**, and **3.7858, 4.5736, 1.4423** is the 20% darker color. If you saturate the color by 10%, you get **12.5652, 14.6730, 5.9114**, and if you desaturate by 10%, it is **13.2897, 14.9701, 9.3971**.

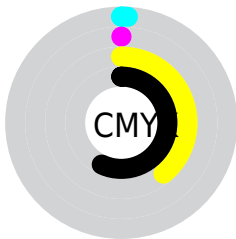
Distribution



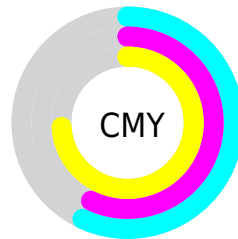
- Red (43%)
- Green (43%)
- Blue (26%)



- Red (26%)
- Yellow (43%)
- Blue (27%)



- Cyan (1%)
- Magenta (0%)
- Yellow (39%)
- Black (57%)



- Cyan (57%)
- Magenta (57%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8957, 14.8083, 7.4888 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 12.8957, 14.8083, 7.4888 by changing the saturation by 10% instead.

■ 12.8957, 14.8083,
7.4888

■ 12.8957, 14.8083,
7.4888

203.8993,
222.2030, 181.4478

■ 7.4333, 8.6850,
3.6866

■ 30.7192, 34.5165,
21.4794

■ 3.7832, 4.5363,
1.4550

■ 43.8110, 48.8702,
32.5048

■ 1.5802, 1.9778,
0.1841

■ 60.1765, 66.7361,
46.7751

■ 0.3795, 0.5945,
0.0000

■ 80.1813, 88.4986,
64.7088

■ 0.0000, 0.0000,
0.0000

■ 104.1906,
114.5422, 86.7243

132.5698,

145.2512, 113.2403

165.6842,
181.0100, 144.6753

■ 12.8957, 14.8083,
7.4888

■ 12.8957, 14.8083,
7.4888

■ 12.5652, 14.6730,
5.9114

■ 13.2897, 14.9701,
9.3971

■ 12.2936, 14.5607,
4.6452

■ 13.7495, 15.1577,
11.6526

■ 12.0773, 14.4706,
3.6700

■ 14.2784, 15.3729,
14.2719

■ 11.9120, 14.4008,
2.9624

■ 14.8793, 15.6169,
17.2698

■ 11.7926, 14.3495,
2.4960

■ 15.5549, 15.8909,
20.6607

■ 11.7006, 14.3091,
2.1739

■ 16.3079, 16.1958,
24.4580

■ 11.6923, 14.3055,
2.1450

■ 17.1405, 16.5325,
28.6746

■ 18.0551, 16.9021,
33.3228

■ 19.0541, 17.3054,
38.4143

Harmonies

Analogous

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



14.9460, 14.8083, 7.3244



12.8957, 14.8083, 7.4888



11.3209, 14.8083, 9.5764

Triad

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



12.8957, 14.8083, 7.4888



11.5503, 14.8083, 26.1576



18.3536, 14.8083, 18.6947

Complementary

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



12.8957, 14.8083, 7.4888



7.2061, 6.3694, 15.6023

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.



17.2426, 14.8083, 25.1297



12.8957, 14.8083, 7.4888



13.2382, 14.8083, 30.0978

Square

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



12.8957, 14.8083, 7.4888



10.5984, 14.8083, 19.8554



15.3238, 14.8083, 29.6811



18.2388, 14.8083, 12.8916

Rectangle

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



12.8957, 14.8083, 7.4888



10.6907, 14.8083, 12.1525



15.3238, 14.8083, 29.6811



18.1069, 14.8083, 20.8776

Sweetspot

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



12.8961, 14.8090, 7.4891



24.7608, 26.8689, 23.5064



9.4940, 7.8207, 6.3195



5.7428, 6.2447, 5.3748



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.8961, 14.8090, 7.4891



22.1104, 25.7856, 10.5918



10.5936, 13.6220, 7.3814



3.6345, 3.9125, 3.6370



14.0418, 17.1825, 2.5765



69.8418, 85.5388, 12.8296

Inverse Universe

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



7.2061, 6.3694, 15.6023



10.5863, 8.6907, 27.0268



8.9627, 7.2750, 15.6845



3.2241, 3.3038, 4.2220



3.4161, 1.3705, 17.8061



16.9148, 6.7743, 88.6952

Previews

White Background



This preview shows how the XYZ color 12.8957, 14.8083, 7.4888 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 12.8957, 14.8083, 7.4888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

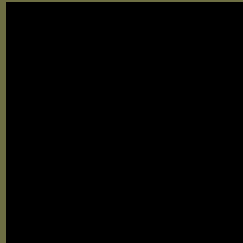
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8957, 14.8083, 7.4888

Background



This preview shows how black text looks on a background with the XYZ color 12.8957, 14.8083, 7.4888.



This preview shows how white text looks on a background with the XYZ color 12.8957, 14.8083,

7.4888.

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

12.8957, 14.8083, 7.4888

Protanopia

13.5772, 14.6906, 7.2742

Deuteranopia

14.9777, 14.7973, 7.6970



Tritanopia

14.9716, 14.8728, 17.7044

Trichromacy



Original Color

12.8957, 14.8083, 7.4888

Protanomaly

13.2854, 14.6959, 7.2906

Deuteranomaly

14.2235, 14.8630, 7.5880

Tritanomaly

14.0511, 14.8047, 13.1833

Monochromacy



Original Color

12.8957, 14.8083, 7.4888

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0899, 14.3349, 11.9745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8957, 14.8083, 7.4888 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(109, 110, 67)` looks like.

```
.text, #text, p{  
    color:rgb(109, 110, 67)  
}
```

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(109, 110, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 110, 67) }
```

Border

The CSS property to change the border of an element to XYZ 12.8957, 14.8083, 7.4888 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(109, 110, 67) }
```


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

```
.border{ border-color:rgb(109, 110, 67) }
```

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

Here you see how a box with a 4 pixel rgb(109, 110, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 110, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 110, 67);  
box-shadow:4px 4px 4px 4px rgb(109, 110,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8957, 14.8083, 7.4888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 110, 67) }
```

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

```
.background{ background-color: rgb(109,  
110, 67) }
```

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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