

Converting Colors

XYZ(13.7839, 12.0541, 7.0909)

Have a look what the booklet for
XYZ(13.7839, 12.0541, 7.0909)
contains.

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Color

**XYZ(13.8117, 12.0590,
7.0685)**

Conversions

Conversions Part 1

Format	Color
Hex	835744
RGB	131, 87, 68
RGB Percent	51%, 34%, 27%
CMY	0.4863, 0.6588, 0.7333
CMYK	0.00, 0.34, 0.48, 0.49
HSL	18°, 32%, 39%
HSV	18°, 48%, 51%
XYZ	13.8117, 12.0590, 7.0685
YIQ	97.9900, 32.3230, 3.4190

Conversions

Conversions Part 2

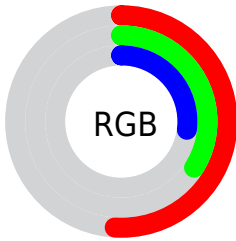
Format	Color
R_{YB}	131, 95, 68
Decimal	8607556
CIE _{Lab}	41.31, 15.84, 18.43
CIE _{LCh}	41, 24.304, 49.313
Yxy	12.0590, 0.4193, 0.3661
Android (android.graphics.Color)	4286797636 (0xFF835744)
YUV	97.9900, -14.7851, 28.9498
Hunter-Lab	34.7261, 10.2247, 12.2398

Details

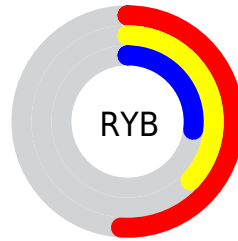
The XYZ color **13.8117, 12.0590, 7.0685** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.2747, 14.4556, 23.6161**, and the grayscale version is **11.6372, 12.2432, 13.3329**.

A 20% lighter version of the original color is **32.3477, 29.5914, 20.5298**, and **4.1929, 3.3183, 1.3392** is the 20% darker color. If you saturate the color by 10%, you get **12.7614, 10.5283, 4.9615**, and if you desaturate by 10%, it is **15.0459, 13.8144, 9.6779**.

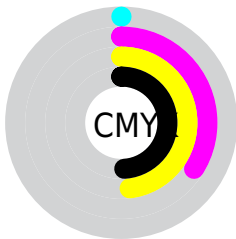
Distribution



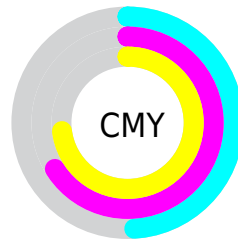
- Red (51%)
- Green (34%)
- Blue (27%)



- Red (51%)
- Yellow (37%)
- Blue (27%)



- Cyan (0%)
- Magenta (34%)
- Yellow (48%)
- Black (49%)





- Cyan (49%)
- Magenta (66%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8117, 12.0590, 7.0685 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 13.8117, 12.0590, 7.0685 by changing the saturation by 10% instead.


 13.8117, 12.0590,
7.0685


 13.8117, 12.0590,
7.0685


209.5904,
204.7955, 177.8842


 8.0706, 6.7839,
3.4259


 32.3436, 29.6025,
20.6261


 4.1924, 3.3273,
1.3160

 45.8652, 42.6397,
31.3782

 1.8115, 1.3049,
0.0748

 62.7109, 59.0330,
45.3371

 0.5246, 0.1450,
0.0000

 83.2463, 79.1669,
62.9215

 0.0000, 0.0000,
0.0000

 107.8365,
103.4256, 84.5498

136.8471,

132.1937, 110.6407

170.6432,
165.8556, 141.6126

■ 13.8117, 12.0590,
7.0685

■ 13.8117, 12.0590,
7.0685

■ 12.7614, 10.5283,
4.9615

■ 15.0459, 13.8144,
9.6779

■ 11.8846, 9.2112,
3.3234

■ 16.4718, 15.8016,
12.8189

■ 11.1710, 8.0981,
2.1174

■ 18.0980, 18.0295,
16.5192

■ 10.6088, 7.1778,
1.3010

■ 19.9321, 20.5059,
20.8047

■ 10.1758, 6.4347,
0.7775

■ 21.9814, 23.2385,
25.6991

■ 10.1026, 6.3103,
0.6855

■ 24.2528, 26.2343,
31.2254

■ 26.7529, 29.5004,
37.4049

■ 29.4880, 33.0433,
44.2582

■ 32.4642, 36.8695,
51.8048

Harmonies

Analogous

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



14.9600, 12.0590, 10.1795



13.8117, 12.0590, 7.0685



12.1006, 12.0590, 5.7253

Triad

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



13.8117, 12.0590, 7.0685



8.4484, 12.0590, 11.4142



12.6174, 12.0590, 24.5604

Complementary

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



13.8117, 12.0590, 7.0685



12.2747, 14.4556, 23.6161

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.



10.8457, 12.0590, 25.1374



13.8117, 12.0590, 7.0685



8.5563, 12.0590, 16.6022

Square

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



13.8117, 12.0590, 7.0685



9.0831, 12.0590, 7.7725



9.3947, 12.0590, 21.9324



14.2231, 12.0590, 20.5136

Rectangle

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



13.8117, 12.0590, 7.0685



10.9229, 12.0590, 5.7021



9.3947, 12.0590, 21.9324



12.0179, 12.0590, 25.1997

Sweetspot

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



13.8120, 12.0596, 7.0687



33.6026, 33.9048, 32.3486



14.3575, 10.1318, 16.5575



7.6835, 7.7043, 7.2063



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.8120, 12.0596, 7.0687



22.6404, 18.5391, 8.4745



16.9293, 18.2941, 8.1078



4.7787, 4.9009, 4.9235



9.9466, 6.2157, 0.6755



0.0403, 0.0332, 0.0043

Inverse Universe

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



12.2747, 14.4556, 23.6161



19.5099, 23.3412, 41.9302



9.3936, 8.6934, 22.6558



4.6862, 5.0481, 5.9281



7.7586, 9.0651, 22.4775



0.0333, 0.0442, 0.0800

Previews

White Background



This preview shows how the XYZ color 13.8117, 12.0590, 7.0685 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 13.8117, 12.0590, 7.0685 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 13.8117, 12.0590, 7.0685

Background



This preview shows how black text looks on a background with the XYZ color 13.8117, 12.0590, 7.0685.



This preview shows how white text looks on a background with the XYZ color 13.8117, 12.0590,

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

13.8117, 12.0590, 7.0685

Protanopia

11.3960, 12.2197, 8.0613

Deuteranopia

12.3519, 12.1926, 7.0126



Tritanopia

14.6887, 12.0654, 11.2275

Trichromacy



Original Color

13.8117, 12.0590, 7.0685

Protanomaly

12.0795, 12.0377, 7.6481

Deuteranomaly

12.7802, 12.0250, 6.9577

Tritanomaly

14.2872, 12.0117, 9.5481

Monochromacy



Original Color

13.8117, 12.0590, 7.0685

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.1534, 12.0085, 10.6941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8117, 12.0590, 7.0685 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(131, 87, 68)` looks like.

```
.text, #text, p{  
    color:rgb(131, 87, 68)  
}
```

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(131, 87, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 87, 68) }
```

Border

The CSS property to change the border of an element to XYZ 13.8117, 12.0590, 7.0685 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(131, 87, 68) }
```


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

```
.border{ border-color:rgb(131, 87, 68) }
```

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

Here you see how a box with a 4 pixel rgb(131, 87, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 87, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 87, 68);  
box-shadow:4px 4px 4px 4px rgb(131, 87,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8117, 12.0590, 7.0685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 87, 68) }
```

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

```
.background{ background-color: rgb(131, 87,  
68) }
```

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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