

Converting Colors

XYZ(13.6077, 11.1389, 7.3933)

Have a look what the booklet for
XYZ(13.6077, 11.1389, 7.3933)
contains.

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Color

**XYZ(13.6789, 11.1788,
7.3980)**

Conversions

Conversions Part 1

Format	Color
Hex	855047
RGB	133, 80, 71
RGB Percent	52%, 31%, 28%
CMY	0.4784, 0.6863, 0.7216
CMYK	0.00, 0.40, 0.47, 0.48
HSL	9°, 30%, 40%
HSV	9°, 47%, 52%
XYZ	13.6789, 11.1788, 7.3980
YIQ	94.8210, 34.4770, 8.4370

Conversions

Conversions Part 2

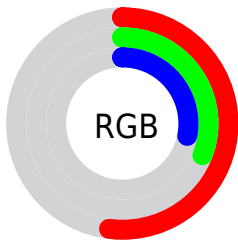
Format	Color
R_{YB}	133, 82, 71
Decimal	8736839
CIE Lab	39.88, 21.16, 14.73
CIE LCh	40, 25.786, 34.848
Yxy	11.1788, 0.4241, 0.3466
Android (android.graphics.Color)	4286926919 (0xFF855047)
YUV	94.8210, -11.7438, 33.4830
Hunter-Lab	33.4347, 14.5177, 10.2854

Details

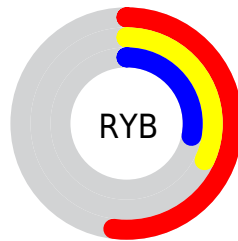
The XYZ color **13.6789, 11.1788, 7.3980** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.0396, 17.4477, 24.8182**, and the grayscale version is **10.8561, 11.4215, 12.4380**.

A 20% lighter version of the original color is **32.0514, 27.9885, 21.1658**, and **4.1750, 2.9772, 1.4532** is the 20% darker color. If you saturate the color by 10%, you get **12.5348, 9.5005, 5.1363**, and if you desaturate by 10%, it is **15.0579, 13.1774, 10.1992**.

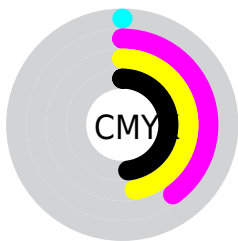
Distribution



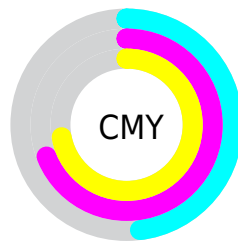
- Red (52%)
- Green (31%)
- Blue (28%)



- Red (52%)
- Yellow (32%)
- Blue (28%)



- Cyan (0%)
- Magenta (40%)
- Yellow (47%)
- Black (48%)





- Cyan (48%)
- Magenta (69%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6789, 11.1788, 7.3980 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 13.6789, 11.1788, 7.3980 by changing the saturation by 10% instead.


 13.6789, 11.1788,
7.3980


 13.6789, 11.1788,
7.3980


208.7748,
198.8902, 180.6855


 7.9779, 6.1872,
3.6300


 32.1092, 27.9903,
21.2959


 4.1325, 2.9593,
1.4247


 45.5693, 40.5791,
32.2629


 1.7774, 1.1105,
0.1608

 62.3463, 56.4690,
46.4666

 0.5040, 0.0000,
0.0000

 82.8058, 76.0445,
64.3256

 0.0000, 0.0000,
0.0000

 107.3130, 99.6900,
86.2585

136.2334,

127.7898, 112.6837

169.9322,
160.7284, 144.0199

■ 13.6789, 11.1788,
7.3980

■ 13.6789, 11.1788,
7.3980

■ 12.5348, 9.5005,
5.1363

■ 15.0579, 13.1774,
10.1992

■ 11.6114, 8.1241,
3.3787

■ 16.6832, 15.5099,
13.5711

■ 10.8945, 7.0320,
2.0864

■ 18.5664, 18.1915,
17.5430

■ 10.3677, 6.2041,
1.2148

■ 20.7181, 21.2356,
22.1423

■ 10.0071, 5.6156,
0.6857

■ 23.1482, 24.6550,
27.3946

■ 9.9111, 5.4630,
0.5321

■ 25.8665, 28.4621,
33.3239

■ 28.8818, 32.6684,
39.9531

■ 32.2029, 37.2852,
47.3043

■ 35.8380, 42.3230,
55.3981

Harmonies

Analogous

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



14.4010, 11.1788, 11.3645



13.6789, 11.1788, 7.3980



12.1425, 11.1788, 5.2955

Triad

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



13.6789, 11.1788, 7.3980



7.8259, 11.1788, 8.4726



10.9161, 11.1788, 24.7378

Complementary

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



13.6789, 11.1788, 7.3980



14.0396, 17.4477, 24.8182

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.



9.2397, 11.1788, 23.3344



13.6789, 11.1788, 7.3980



7.5747, 11.1788, 13.0165

Square

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



13.6789, 11.1788, 7.3980



8.7921, 11.1788, 5.7840



8.0634, 11.1788, 18.6536



12.6967, 11.1788, 22.0830

Rectangle

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



13.6789, 11.1788, 7.3980



10.9345, 11.1788, 4.8023



8.0634, 11.1788, 18.6536



10.3216, 11.1788, 24.7305

Sweetspot

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



13.6792, 11.1794, 7.3982



34.0908, 33.7716, 33.2075



15.6109, 10.9670, 20.6070



7.5265, 7.3903, 7.1540



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.



13.6792, 11.1794, 7.3982



22.3267, 16.8352, 8.9643



16.4150, 16.6511, 8.3102



4.7232, 4.7899, 4.9050



9.4445, 5.2116, 0.5082



0.0359, 0.0245, 0.0028

Inverse Universe

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



14.0396, 17.4477, 24.8182



23.0354, 29.4807, 44.2147



10.8113, 10.9912, 23.7421



4.7456, 5.1667, 5.9479



9.7351, 13.0181, 23.1363



0.0376, 0.0529, 0.0815

Previews

White Background



This preview shows how the XYZ color 13.6789, 11.1788, 7.3980 looks on a white background.

Color Contrast Check

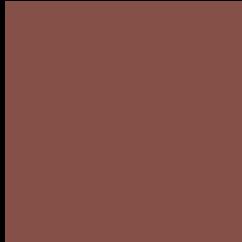
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6789, 11.1788, 7.3980 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 13.6789, 11.1788, 7.3980

Background



This preview shows how black text looks on a background with the XYZ color 13.6789, 11.1788, 7.3980.



This preview shows how white text looks on a background with the XYZ color 13.6789, 11.1788,

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

13.6789, 11.1788, 7.3980

Protanopia

10.6334, 11.2648, 8.8216

Deuteranopia

11.4124, 11.1867, 7.1880



Tritanopia

14.1561, 11.1572, 9.7950

Trichromacy



Original Color

13.6789, 11.1788, 7.3980

Protanomaly

11.5245, 11.0975, 8.1912

Deuteranomaly

12.1790, 11.0908, 7.2932

Tritanomaly

14.0388, 11.2248, 8.8238

Monochromacy



Original Color

13.6789, 11.1788, 7.3980

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.6426, 11.2354, 10.3591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6789, 11.1788, 7.3980 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(133, 80, 71)` looks like.

```
.text, #text, p{  
    color:rgb(133, 80, 71)  
}
```

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(133, 80, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 80, 71) }
```

Border

The CSS property to change the border of an element to XYZ 13.6789, 11.1788, 7.3980 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(133, 80, 71) }
```


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

```
.border{ border-color:rgb(133, 80, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 80, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 80, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 80, 71);  
box-shadow:4px 4px 4px 4px rgb(133, 80,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6789, 11.1788, 7.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 80, 71) }
```

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

```
.background{ background-color: rgb(133, 80,  
71) }
```

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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