

Converting Colors

XYZ(15.6422, 13.0251, 11.7149)

Have a look what the booklet for
XYZ(15.6422, 13.0251, 11.7149)
contains.

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Color

**XYZ(15.7380, 13.0705,
11.8186)**

Conversions

Conversions Part 1

Format	Color
Hex	89585C
RGB	137, 88, 92
RGB Percent	54%, 35%, 36%
CMY	0.4627, 0.6549, 0.6392
CMYK	0.00, 0.36, 0.33, 0.46
HSL	355°, 22%, 44%
HSV	355°, 36%, 54%
XYZ	15.7380, 13.0705, 11.8186
YIQ	103.1070, 27.9200, 11.6320

Conversions

Conversions Part 2

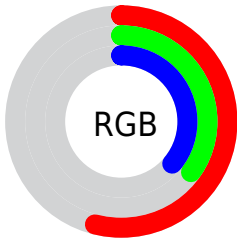
Format	Color
R_{YB}	137, 88, 92
Decimal	9001052
CIE _{Lab}	42.87, 20.82, 6.10
CIE _{LCh}	43, 21.689, 16.321
Yxy	13.0705, 0.3874, 0.3217
Android (android.graphics.Color)	4287191132 (0xFF89585C)
YUV	103.1070, -5.4758, 29.7242
Hunter-Lab	36.1531, 14.4357, 5.9251

Details

The XYZ color **15.7380, 13.0705, 11.8186** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.2043, 21.6597, 25.4653**, and the grayscale version is **12.9296, 13.6029, 14.8136**.

A 20% lighter version of the original color is **35.7092, 31.3364, 29.7576**, and **5.0324, 3.7144, 3.0365** is the 20% darker color. If you saturate the color by 10%, you get **14.2122, 10.8272, 8.8180**, and if you desaturate by 10%, it is **17.5672, 15.7743, 15.3714**.

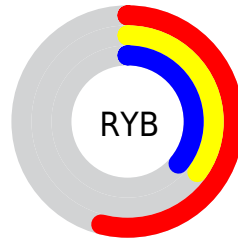
Distribution



Red (54%)

Green (35%)

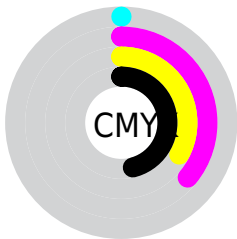
Blue (36%)



Red (54%)

Yellow (35%)

Blue (36%)

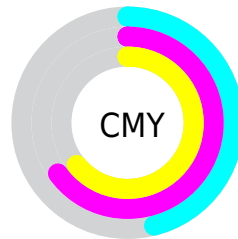


Cyan (0%)

Magenta (36%)

Yellow (33%)

Black (46%)



Cyan (46%)

Magenta (65%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7380, 13.0705, 11.8186 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 15.7380, 13.0705, 11.8186 by changing the saturation by 10% instead.

■ 15.7380, 13.0705,
11.8186

■ 15.7380, 13.0705,
11.8186

221.0916,
211.3690, 214.1358

■ 9.4286, 7.4771,
6.4992

■ 35.7039, 31.4304,
29.8237

■ 5.0811, 3.7622,
3.0773

■ 50.0911, 44.9657,
43.3466

■ 2.3302, 1.5415,
1.1342

■ 67.9016, 61.9170,
60.4410

■ 0.8100, 0.3176,
0.0000

■ 89.5009, 82.6689,
81.5256

■ 0.0000, 0.0000,
0.0000

■ 115.2541,
107.6056, 107.0188

145.5268,

137.1116, 137.3392

180.6841,
171.5713, 172.9053

■ 15.7380, 13.0705,
11.8186

■ 15.7380, 13.0705,
11.8186

■ 14.2122, 10.8272,
8.8180

■ 17.5672, 15.7743,
15.3714

■ 12.9724, 9.0170,
6.3412

■ 19.7140, 18.9603,
19.5013

■ 12.0010, 7.6124,
4.3582

■ 22.1928, 22.6511,
24.2329

■ 11.2781, 6.5822,
2.8358

■ 25.0169, 26.8673,
29.5887

■ 10.7809, 5.8905,
1.7369

■ 28.1987, 31.6283,
35.5905

■ 10.4769, 5.4833,
1.0165

■ 31.7504, 36.9526,
42.2587

■ 10.3780, 5.3429,
0.8063

■ 35.6831, 42.8578,
49.6130

■ 40.0078, 49.3606,
57.6722

■ 44.7350, 56.4774,
66.4543

Harmonies

Analogous

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



15.7826, 13.0705, 16.4999



15.7380, 13.0705, 11.8186



14.7556, 13.0705, 8.6005

Triad

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



15.7380, 13.0705, 11.8186



10.2587, 13.0705, 8.8149



11.6849, 13.0705, 25.0640

Complementary

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



15.7380, 13.0705, 11.8186



17.2043, 21.6597, 25.4653

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.



10.3504, 13.0705, 21.9020



15.7380, 13.0705, 11.8186



9.5778, 13.0705, 12.1812

Square

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



15.7380, 13.0705, 11.8186



11.5492, 13.0705, 7.1487



9.6098, 13.0705, 16.9524



13.3400, 13.0705, 24.9056

Rectangle

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



15.7380, 13.0705, 11.8186



13.7469, 13.0705, 7.4047



9.6098, 13.0705, 16.9524



11.1872, 13.0705, 24.3286

Sweetspot

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



15.7384, 13.0711, 11.8189



37.2361, 36.8285, 38.6183



17.6651, 13.7660, 25.3930



8.2398, 8.0937, 8.4478



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.7384, 13.0711, 11.8189



25.9085, 20.0598, 16.6956



17.4850, 16.8367, 11.5616



5.0484, 5.0548, 5.3432



9.6692, 4.9778, 0.7623



0.0661, 0.0338, 0.0150

Inverse Universe

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



15.7384, 13.0711, 11.8189



25.9085, 20.0598, 16.6956



14.8532, 16.5071, 26.0703



5.0484, 5.0548, 5.3432



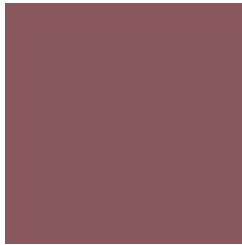
9.6692, 4.9778, 0.7623



0.0661, 0.0338, 0.0150

Previews

White Background



This preview shows how the XYZ color 15.7380, 13.0705, 11.8186 looks on a white background.

Color Contrast Check

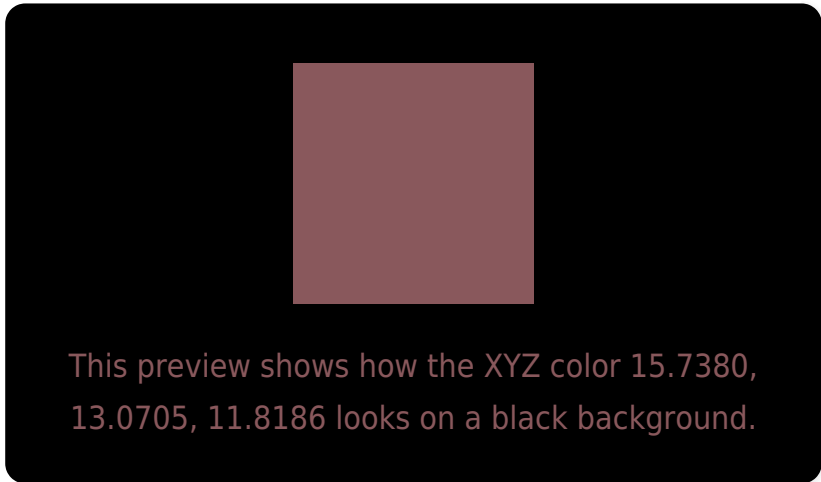
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

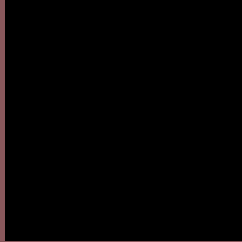
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7380, 13.0705, 11.8186

Background



This preview shows how black text looks on a background with the XYZ color 15.7380, 13.0705, 11.8186.



This preview shows how white text looks on a background with the XYZ color 15.7380, 13.0705,

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

15.7380, 13.0705, 11.8186

Protanopia

12.6147, 13.1513, 13.6780

Deuteranopia

13.4156, 13.1866, 11.5110



Tritanopia

15.8266, 13.1060, 12.2852

Trichromacy



Original Color

15.7380, 13.0705, 11.8186

Protanomaly

13.4967, 12.9233, 12.8494

Deuteranomaly

14.2032, 13.0458, 11.6670

Tritanomaly

15.7820, 13.0881, 12.0504

Monochromacy



Original Color

15.7380, 13.0705, 11.8186

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.6900, 13.2811, 13.6463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7380, 13.0705, 11.8186 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(137, 88, 92)` looks like.

```
.text, #text, p{  
    color:rgb(137, 88, 92)  
}
```

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(137, 88, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 88, 92) }
```

Border

The CSS property to change the border of an element to XYZ 15.7380, 13.0705, 11.8186 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(137, 88, 92) }
```


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

```
.border{ border-color:rgb(137, 88, 92) }
```

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

Here you see how a box with a 4 pixel rgb(137, 88, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 88, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 88, 92);  
box-shadow:4px 4px 4px 4px rgb(137, 88,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7380, 13.0705, 11.8186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 88, 92) }
```

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

```
.background{ background-color: rgb(137, 88,  
92) }
```

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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