

Converting Colors

XYZ(15.2771, 13.8606, 7.8545)

Have a look what the booklet for
XYZ(15.2771, 13.8606, 7.8545)
contains.

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Color

**XYZ(15.2212, 13.7902,
7.8208)**

Conversions

Conversions Part 1

Format	Color
Hex	875F47
RGB	135, 95, 71
RGB Percent	53%, 37%, 28%
CMY	0.4706, 0.6274, 0.7216
CMYK	0.00, 0.30, 0.47, 0.47
HSL	23°, 31%, 40%
HSV	23°, 47%, 53%
XYZ	15.2212, 13.7902, 7.8208
YIQ	104.2240, 31.5440, 1.0160

Conversions

Conversions Part 2

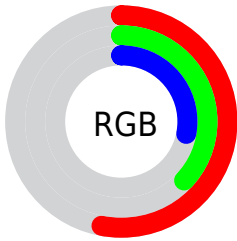
Format	Color
R_{YB}	135, 109, 71
Decimal	8871751
CIE _{Lab}	43.93, 13.20, 20.19
CIE _{LCh}	44, 24.124, 56.822
Yxy	13.7902, 0.4133, 0.3744
Android (android.graphics.Color)	4287061831 (0xFF875F47)
YUV	104.2240, -16.3794, 26.9906
Hunter-Lab	37.1352, 8.1782, 13.5079

Details

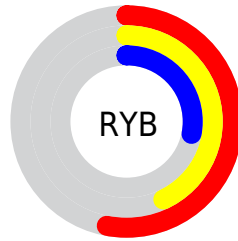
The XYZ color **15.2212, 13.7902, 7.8208** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.6560, 14.4573, 25.0451**, and the grayscale version is **13.2550, 13.9453, 15.1864**.

A 20% lighter version of the original color is **34.9043, 32.8610, 22.2725**, and **4.8634, 4.1148, 1.5748** is the 20% darker color. If you saturate the color by 10%, you get **14.1159, 12.1977, 5.5472**, and if you desaturate by 10%, it is **16.5058, 15.5872, 10.6295**.

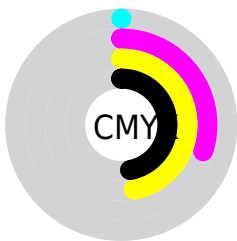
Distribution



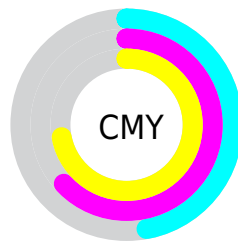
- Red (53%)
- Green (37%)
- Blue (28%)



- Red (53%)
- Yellow (43%)
- Blue (28%)



- Cyan (0%)
- Magenta (30%)
- Yellow (47%)
- Black (47%)





- Cyan (47%)
- Magenta (63%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.2212, 13.7902, 7.8208 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 15.2212, 13.7902, 7.8208 by changing the saturation by 10% instead.


 15.2212, 13.7902,
7.8208


 15.2212, 13.7902,
7.8208


218.0631,
215.9217, 184.2014


 9.0621, 7.9749,
3.8944


 34.8092, 32.7163,
22.1467


 4.8391, 4.0789,
1.5676

 48.9689, 46.5959,
33.3833


 2.1870, 1.7178,
0.2675

 66.5261, 63.9324,
47.8937

 0.7359, 0.4351,
0.0000

 87.8463, 85.1101,
66.0964

 0.0000, 0.0000,
0.0000

 113.2947,
110.5135, 88.4100

143.2367,

140.5270, 115.2530

178.0378,
175.5349, 147.0440

■ 15.2212, 13.7902,
7.8208

■ 15.2212, 13.7902,
7.8208

■ 14.1159, 12.1977,
5.5472

■ 16.5058, 15.5872,
10.6295

■ 13.1799, 10.8000,
3.7729

■ 17.9770, 17.5940,
14.0041

■ 12.4034, 9.5892,
2.4593

■ 19.6429, 19.8183,
17.9740

■ 11.7753, 8.5562,
1.5613

■ 21.5109, 22.2666,
22.5665

■ 11.2757, 7.6883,
0.9902

■ 23.5879, 24.9452,
27.8071

■ 11.1594, 7.4864,
0.8569

■ 25.8804, 27.8602,
33.7198

■ 28.3947, 31.0174,
40.3273

■ 31.1368, 34.4223,
47.6515

■ 34.1125, 38.0804,
55.7131

Harmonies

Analogous

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



16.6650, 13.7902, 10.7521



15.2212, 13.7902, 7.8208



13.3118, 13.7902, 6.7721

Triad

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



15.2212, 13.7902, 7.8208



9.7719, 13.7902, 14.4397



14.8350, 13.7902, 26.4919

Complementary

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



15.2212, 13.7902, 7.8208



12.6560, 14.4573, 25.0451

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.



12.9047, 13.7902, 28.1541



15.2212, 13.7902, 7.8208



10.0956, 13.7902, 20.2782

Square

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



15.2212, 13.7902, 7.8208



10.2676, 13.7902, 9.9639



11.1985, 13.7902, 25.6498



16.4272, 13.7902, 21.5371

Rectangle

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



15.2212, 13.7902, 7.8208



12.0729, 13.7902, 7.0305



11.1985, 13.7902, 25.6498



14.1989, 13.7902, 27.4995

Sweetspot

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



15.2215, 13.7909, 7.8211



36.1722, 36.8036, 34.6106



15.1437, 10.8170, 16.4832



8.2342, 8.3351, 7.6671



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.



15.2215, 13.7909, 7.8211



25.1214, 21.6124, 9.6230



18.6497, 20.6472, 8.9638



4.8051, 4.9538, 4.9323



10.3025, 6.9276, 0.7942



0.0423, 0.0372, 0.0050

Inverse Universe

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



12.6560, 14.4573, 25.0451



19.9218, 22.9288, 44.4241



9.8065, 8.7583, 24.0953



4.6587, 4.9931, 5.9190



6.9956, 7.5390, 22.2232



0.0313, 0.0402, 0.0793

Previews

White Background



This preview shows how the XYZ color 15.2212, 13.7902, 7.8208 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 15.2212, 13.7902, 7.8208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

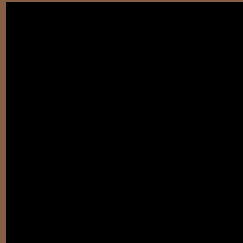
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2212, 13.7902, 7.8208

Background



This preview shows how black text looks on a background with the XYZ color 15.2212, 13.7902, 7.8208.



This preview shows how white text looks on a background with the XYZ color 15.2212, 13.7902,

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

15.2212, 13.7902, 7.8208

Protanopia

12.9024, 13.8534, 8.6505

Deuteranopia

14.1201, 13.9165, 7.7363



Tritanopia

16.2622, 13.6824, 13.3391

Trichromacy



Original Color

15.2212, 13.7902, 7.8208

Protanomaly

13.6354, 13.7948, 8.4226

Deuteranomaly

14.5264, 13.8447, 7.7010

Tritanomaly

15.7419, 13.5931, 11.0266

Monochromacy



Original Color

15.2212, 13.7902, 7.8208

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.6557, 13.7249, 12.0547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2212, 13.7902, 7.8208 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(135, 95, 71)` looks like.

```
.text, #text, p{  
    color:rgb(135, 95, 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(135, 95, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 95, 71) }
```

Border

The CSS property to change the border of an element to XYZ 15.2212, 13.7902, 7.8208 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(135, 95, 71) }
```


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

```
.border{ border-color:rgb(135, 95, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 95, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 95, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 95, 71);  
box-shadow:4px 4px 4px 4px rgb(135, 95,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2212, 13.7902, 7.8208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 95, 71) }
```

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

```
.background{ background-color: rgb(135, 95,  
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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