

Converting Colors

XYZ(13.2035, 13.8683, 9.6615)

Have a look what the booklet for
XYZ(13.2035, 13.8683, 9.6615)
contains.

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Color

**XYZ(13.1083, 13.7904,
9.5603)**

Conversions

Conversions Part 1

Format	Color
Hex	716750
RGB	113, 103, 80
RGB Percent	44%, 40%, 31%
CMY	0.5569, 0.5961, 0.6863
CMYK	0.00, 0.09, 0.29, 0.56
HSL	42°, 17%, 38%
HSV	42°, 29%, 44%
XYZ	13.1083, 13.7904, 9.5603
YIQ	103.3680, 13.3430, -5.0330

Conversions

Conversions Part 2

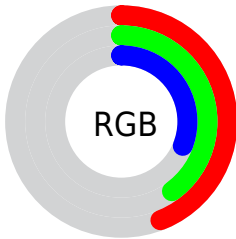
Format	Color
RYB	94, 113, 80
Decimal	7432016
CIELab	43.93, 0.01, 14.44
CIELCh	44, 14.436, 89.976
Yxy	13.7904, 0.3595, 0.3782
Android (android.graphics.Color)	4285622096 (0xFF716750)
YUV	103.3680, -11.5204, 8.4473
Hunter-Lab	37.1354, -1.9789, 10.7309

Details

The XYZ color **13.1083, 13.7904, 9.5603** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.9450, 10.2098, 17.0695**, and the grayscale version is **13.0171, 13.6950, 14.9138**.

A 20% lighter version of the original color is **31.0351, 32.6955, 25.4440**, and **3.8319, 4.0397, 2.1679** is the 20% darker color. If you saturate the color by 10%, you get **12.3920, 12.9706, 7.4321**, and if you desaturate by 10%, it is **13.9095, 14.6675, 12.0637**.

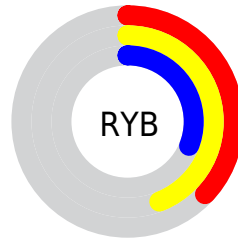
Distribution



Red (44%)

Green (40%)

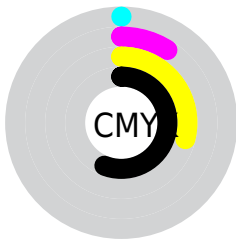
Blue (31%)



Red (37%)

Yellow (44%)

Blue (31%)

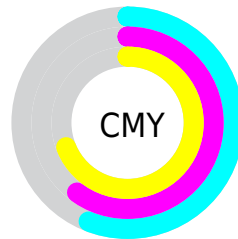


Cyan (0%)

Magenta (9%)

Yellow (29%)

Black (56%)



Cyan (56%)

Magenta (60%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1083, 13.7904, 9.5603 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 13.1083, 13.7904, 9.5603 by changing the saturation by 10% instead.

■ 13.1083, 13.7904,
9.5603

■ 13.1083, 13.7904,
9.5603

205.2342,
215.9230, 197.8738

■ 7.5807, 7.9750,
5.0066

■ 31.0979, 32.7167,
25.5599

■ 3.8774, 4.0790,
2.1924

■ 44.2905, 46.5963,
37.8429

■ 1.6330, 1.7178,
0.6699

■ 60.7689, 63.9329,
53.5394

■ 0.4138, 0.4352,
0.0000

■ 80.8984, 85.1108,
73.0680

■ 0.0000, 0.0000,
0.0000

■ 105.0443,
110.5143, 96.8472

133.5720,

140.5279, 125.2955

166.8468,
175.5360, 158.8316

■ 13.1083, 13.7904,
9.5603

■ 13.1083, 13.7904,
9.5603

■ 12.3920, 12.9706,
7.4321

■ 13.9095, 14.6675,
12.0637

■ 11.7558, 12.2044,
5.6596

■ 14.7981, 15.6015,
14.9586

■ 11.1962, 11.4906,
4.2230

■ 15.7774, 16.5947,
18.2616

■ 10.7087, 10.8272,
3.1001

■ 16.8507, 17.6486,
21.9878

■ 10.2885, 10.2120,
2.2660

■ 18.0207, 18.7645,
26.1518

■ 9.9300, 9.6423,
1.6921

■ 19.2903, 19.9438,
30.7673

■ 9.6138, 9.1103,
1.2776

■ 20.6620, 21.1877,
35.8475

■ 9.5893, 9.0690,
1.2451

■ 22.1385, 22.4976,
41.4051

■ 23.7222, 23.8746,
47.4522

Harmonies

Analogous

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



14.2379, 13.7904, 10.1990



13.1083, 13.7904, 9.5603



12.0398, 13.7904, 10.1970

Triad

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



13.1083, 13.7904, 9.5603



11.2945, 13.7904, 18.3844



15.1035, 13.7904, 18.3897

Complementary

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



13.1083, 13.7904, 9.5603



9.9450, 10.2098, 17.0695

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.



14.2362, 13.7904, 21.1534



13.1083, 13.7904, 9.5603



12.0383, 13.7904, 21.1500

Square

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



13.1083, 13.7904, 9.5603



11.0304, 13.7904, 15.0127



13.1064, 13.7904, 22.2290



15.4299, 13.7904, 15.0181

Rectangle

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



13.1083, 13.7904, 9.5603



11.4956, 13.7904, 11.3208



13.1064, 13.7904, 22.2290



14.8632, 13.7904, 19.4373

Sweetspot

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



13.1087, 13.7910, 9.5606



26.4921, 27.9306, 26.7651



11.5435, 9.9941, 11.0944



6.0824, 6.4135, 6.0431



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.1087, 13.7910, 9.5606



22.5930, 23.6951, 14.4818



13.4106, 15.5123, 9.8769



3.5607, 3.7539, 3.6102



10.8597, 10.2519, 1.4064



53.3126, 49.5004, 6.7447

Inverse Universe

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



9.9450, 10.2098, 17.0695



15.9495, 16.1772, 30.2574



9.6918, 8.9105, 16.8320



3.2924, 3.4501, 4.2466



4.0214, 2.6330, 18.0179



19.3544, 11.7606, 89.5291

Previews

White Background



This preview shows how the XYZ color 13.1083, 13.7904, 9.5603 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 13.1083, 13.7904, 9.5603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

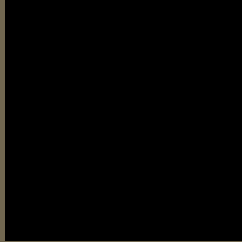
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1083, 13.7904, 9.5603

Background



This preview shows how black text looks on a background with the XYZ color 13.1083, 13.7904, 9.5603.



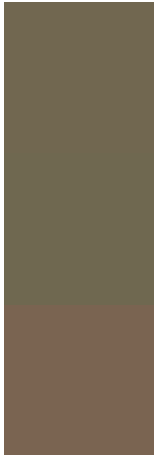
This preview shows how white text looks on a background with the XYZ color 13.1083, 13.7904,

9.5603.

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

13.1083, 13.7904, 9.5603

Protanopia

12.9538, 13.8593, 9.5818

Deuteranopia

14.0684, 13.8460, 9.7156



Tritanopia

14.3181, 13.6982, 15.7993

Trichromacy



Original Color

13.1083, 13.7904, 9.5603

Protanomaly

13.0804, 13.9246, 9.5877

Deuteranomaly

13.7466, 13.8234, 9.7282

Tritanomaly

13.7851, 13.6222, 13.2121

Monochromacy



Original Color

13.1083, 13.7904, 9.5603

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9792, 13.6525, 12.7776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1083, 13.7904, 9.5603 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(113, 103, 80)` looks like.

```
.text, #text, p{  
    color:rgb(113, 103, 80)  
}
```

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(113, 103, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 103, 80) }
```

Border

The CSS property to change the border of an element to XYZ 13.1083, 13.7904, 9.5603 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(113, 103, 80) }
```


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

```
.border{ border-color:rgb(113, 103, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 103, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 103, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 103, 80);  
box-shadow:4px 4px 4px 4px rgb(113, 103,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1083, 13.7904, 9.5603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 103, 80) }
```

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

```
.background{ background-color: rgb(113,  
103, 80) }
```

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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