

Converting Colors

XYZ(13.1759, 9.8018, 7.1168)

Have a look what the booklet for
XYZ(13.1759, 9.8018, 7.1168)
contains.

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Color

**XYZ(13.2571, 9.8621,
7.1661)**

Conversions

Conversions Part 1

Format	Color
Hex	874547
RGB	135, 69, 71
RGB Percent	53%, 27%, 28%
CMY	0.4706, 0.7294, 0.7216
CMYK	0.00, 0.49, 0.47, 0.47
HSL	358°, 32%, 40%
HSV	358°, 49%, 53%
XYZ	13.2571, 9.8621, 7.1661
YIQ	88.9620, 38.6940, 14.6140

Conversions

Conversions Part 2

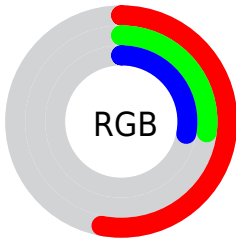
Format	Color
R_{YB}	135, 69, 71
Decimal	8865095
CIE Lab	37.59, 28.29, 11.65
CIE LCh	38, 30.601, 22.386
Yxy	9.8621, 0.4377, 0.3256
Android (android.graphics.Color)	4287055175 (0xFF874547)
YUV	88.9620, -8.8553, 40.3753
Hunter-Lab	31.4040, 20.3963, 8.4534

Details

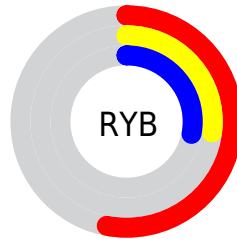
The XYZ color **13.2571, 9.8621, 7.1661** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **15.3524, 20.2867, 25.2981**, and the grayscale version is **9.5004, 9.9951, 10.8847**.

A 20% lighter version of the original color is **31.4125, 25.6019, 20.7388**, and **3.9762, 2.4515, 1.3622** is the 20% darker color. If you saturate the color by 10%, you get **12.1433, 8.2360, 4.9405**, and if you desaturate by 10%, it is **14.6509, 11.9034, 9.9319**.

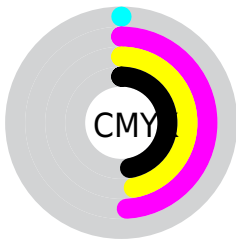
Distribution



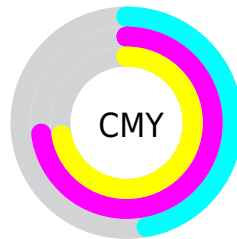
- Red (53%)
- Green (27%)
- Blue (28%)



- Red (53%)
- Yellow (27%)
- Blue (28%)



- Cyan (0%)
- Magenta (49%)
- Yellow (47%)
- Black (47%)





- Cyan (47%)
- Magenta (73%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2571, 9.8621, 7.1661 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 13.2571, 9.8621, 7.1661 by changing the saturation by 10% instead.

 13.2571, 9.8621,
7.1661


 13.2571, 9.8621,
7.1661


206.1633,
189.6850, 178.7198


 7.6840, 5.3076,
3.4862


 31.3623, 25.5358,
20.8251


 3.9435, 2.4289,
1.3479

 44.6252, 37.4238,
31.6413


 1.6702, 0.8407,
0.1006

 61.1820, 52.5251,
45.6733

 0.4375, 0.0000,
0.0000

 81.3982, 71.2241,
63.3397

 0.0000, 0.0000,
0.0000

 105.6390, 93.9052,
85.0590

134.2700,

120.9528, 111.2498

167.6563,
152.7513, 142.3305

■ 13.2571, 9.8621,
7.1661

■ 13.2571, 9.8621,
7.1661

■ 12.1433, 8.2360,
4.9405

■ 14.6509, 11.9034,
9.9319

■ 11.2899, 6.9952,
3.2194

■ 16.3411, 14.3839,
13.2694

■ 10.6759, 6.1083,
1.9634


■ 18.3437, 17.3279,
17.2084

■ 10.2769, 5.5384,
1.1272


■ 20.6733, 20.7571,
21.7766


■ 10.0383, 5.1957,
0.6329


■ 23.3436, 24.6922,
26.9996

 10.0140, 5.1598,
0.5854

 26.3675, 29.1525,
32.9020

 29.7573, 34.1562,
39.5069

 33.5247, 39.7209,
46.8363

 37.6808, 45.8631,
54.9113

Harmonies

Analogous

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



13.5719, 9.8621, 12.2147



13.2571, 9.8621, 7.1661



11.8360, 9.8621, 4.3104

Triad

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



13.2571, 9.8621, 7.1661



6.7217, 9.8621, 5.4542



8.8887, 9.8621, 25.1632

Complementary

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



13.2571, 9.8621, 7.1661



15.3524, 20.2867, 25.2981

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.



7.2789, 9.8621, 21.5997



13.2571, 9.8621, 7.1661



6.1450, 9.8621, 9.3857

Square

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



13.2571, 9.8621, 7.1661



8.0253, 9.8621, 3.5860



6.3339, 9.8621, 15.3350



10.8651, 9.8621, 23.9314

Rectangle

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



13.2571, 9.8621, 7.1661



10.5467, 9.8621, 3.4418



6.3339, 9.8621, 15.3350



8.2910, 9.8621, 24.4535

Sweetspot

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



13.2574, 9.8626, 7.1663



34.2628, 33.1095, 33.5895



16.1428, 10.9763, 24.1893



7.7635, 7.4157, 7.4428



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.



13.2574, 9.8626, 7.1663



21.4992, 14.3889, 8.3510



15.6041, 14.6570, 7.6376



4.6779, 4.6908, 4.9159



9.2351, 4.7584, 0.5447



0.0323, 0.0166, 0.0037

Inverse Universe

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



13.2574, 9.8626, 7.1663



21.4992, 14.3889, 8.3510



11.7984, 12.9560, 24.8004



4.6779, 4.6908, 4.9159



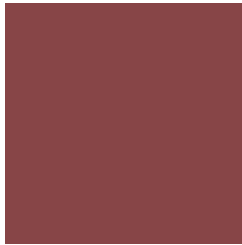
9.2351, 4.7584, 0.5447



0.0323, 0.0166, 0.0037

Previews

White Background



This preview shows how the XYZ color 13.2571, 9.8621, 7.1661 looks on a white background.

Color Contrast Check

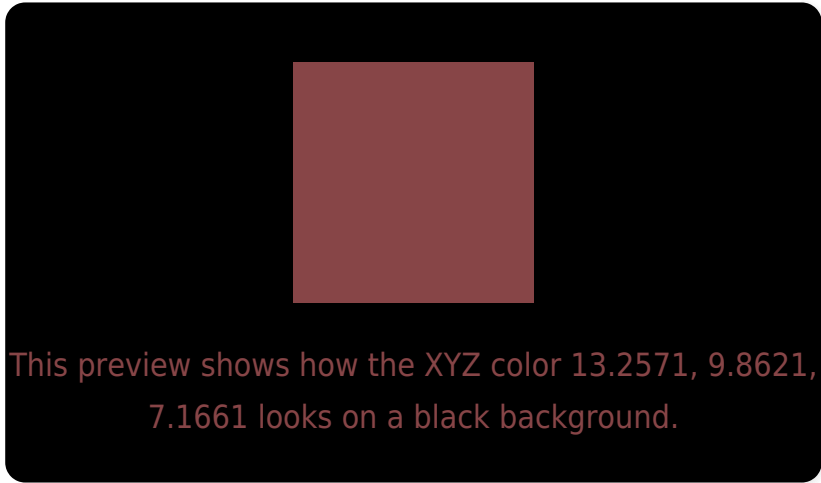
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 13.2571, 9.8621, 7.1661

Background



This preview shows how black text looks on a background with the XYZ color 13.2571, 9.8621, 7.1661.



This preview shows how white text looks on a background with the XYZ color 13.2571, 9.8621,

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

13.2571, 9.8621, 7.1661

Protanopia

9.5718, 10.0660, 9.2230

Deuteranopia

10.1176, 9.9176, 6.8499



Tritanopia

13.3224, 9.8882, 7.5098

Trichromacy



Original Color

13.2571, 9.8621, 7.1661

Protanomaly

10.5412, 9.7586, 8.3492

Deuteranomaly

11.0726, 9.7346, 6.9256

Tritanomaly

13.2895, 9.8750, 7.3365

Monochromacy



Original Color

13.2571, 9.8621, 7.1661

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.4841, 9.7080, 9.3039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2571, 9.8621, 7.1661 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, 69, 71)` looks like.

```
.text, #text, p{  
    color:rgb(135, 69, 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, 69, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 69, 71) }
```

Border

The CSS property to change the border of an element to XYZ 13.2571, 9.8621, 7.1661 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, 69, 71) }
```


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

```
.border{ border-color:rgb(135, 69, 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, 69, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 69, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 69, 71);  
box-shadow:4px 4px 4px 4px rgb(135, 69,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2571, 9.8621, 7.1661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 69, 71) }
```

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

```
.background{ background-color: rgb(135, 69,  
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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