

Converting Colors

XYZ(14.9028, 9.7726, 18.0198)

Have a look what the booklet for
XYZ(14.9028, 9.7726, 18.0198)
contains.

XYZ(14.8713, 9.7727, 17.9321)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.8713, 9.7727,
17.9321)**

Conversions

Conversions Part 1

Format	Color
Hex	873D75
RGB	135, 61, 117
RGB Percent	53%, 24%, 46%
CMY	0.4706, 0.7608, 0.5412
CMYK	0.00, 0.55, 0.13, 0.47
HSL	315°, 38%, 38%
HSV	315°, 55%, 53%
XYZ	14.8713, 9.7727, 17.9321
YIQ	89.5100, 26.1280, 33.1040

Conversions

Conversions Part 2

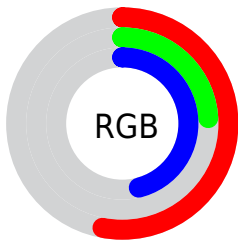
Format	Color
RYB	135, 61, 117
Decimal	8863093
CIELab	37.43, 39.12, -17.50
CIELCh	37, 42.857, 335.893
Yxy	9.7727, 0.3493, 0.2295
Android (android.graphics.Color)	4287053173 (0xFF873D75)
YUV	89.5100, 13.5526, 39.8947
Hunter-Lab	31.2613, 30.2068, -12.1270

Details

The XYZ color **14.8713, 9.7727, 17.9321** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **12.0002, 18.8849, 10.4105**, and the grayscale version is **9.5757, 10.0744, 10.9710**.

A 20% lighter version of the original color is **34.1908, 25.4001, 40.6368**, and **4.7174, 2.4206, 5.8488** is the 20% darker color. If you saturate the color by 10%, you get **14.0497, 8.4329, 16.7223**, and if you desaturate by 10%, it is **15.8818, 11.4790, 19.2385**.

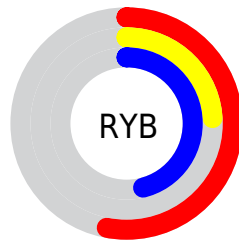
Distribution



Red (53%)

Green (24%)

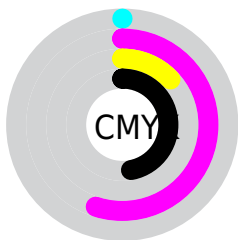
Blue (46%)



Red (53%)

Yellow (24%)

Blue (46%)

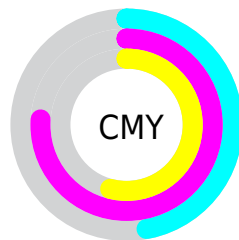


Cyan (0%)

Magenta (55%)

Yellow (13%)

Black (47%)



Cyan (47%)


Magenta (76%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8713, 9.7727, 17.9321 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 14.8713, 9.7727, 17.9321 by changing the saturation by 10% instead.


 14.8713, 9.7727,
17.9321


 14.8713, 9.7727,
17.9321


215.9898,
189.0420, 252.7113


 8.8148, 5.2485,
10.7323


 34.2008, 25.3671,
40.7340


 4.6767, 2.3938,
5.7752

 48.2045, 37.2061,
57.1731

 2.0917, 0.8227,
2.6423

 65.5880, 52.2521,
77.5292

 0.6847, 0.0000,
0.9142

 86.7166, 70.8896,
102.2206

 0.0000, 0.0000,
0.0000

 111.9558, 93.5030,
131.6660

 141.6708,

120.4765, 166.2839

176.2270,
152.1948, 206.4928

■ 14.8713, 9.7727,
17.9321

■ 14.8713, 9.7727,
17.9321

■ 14.0497, 8.4329,
16.7223

■ 15.8818, 11.4790,
19.2385

■ 13.4020, 7.4304,
15.6034

■ 17.0926, 13.5753,
20.6454

■ 12.9126, 6.7339,
14.5701

■ 18.5157, 16.0849,
22.1570

■ 12.5596, 6.2997,
13.6146

■ 20.1614, 19.0286,
23.7774

■ 12.3980, 6.1135,
13.1388

■ 22.0396, 22.4261,
25.5099

■ 24.1595, 26.2958,
27.3581

■ 26.5299, 30.6548,
29.3251

■ 29.1591, 35.5198,
31.4140

■ 32.0548, 40.9064,
33.6278

Harmonies

Analogous

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



12.6724, 9.7727, 27.7753



14.8713, 9.7727, 17.9321



15.4604, 9.7727, 9.1878

Triad

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



14.8713, 9.7727, 17.9321



8.7664, 9.7727, 1.6500



5.6893, 9.7727, 21.9378

Complementary

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



14.8713, 9.7727, 17.9321



12.0002, 18.8849, 10.4105

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.



5.0265, 9.7727, 12.2394



14.8713, 9.7727, 17.9321



6.5682, 9.7727, 2.5745

Square

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



14.8713, 9.7727, 17.9321



11.5717, 9.7727, 2.0267



5.3139, 9.7727, 5.6547



7.3276, 9.7727, 30.7672

Rectangle

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



14.8713, 9.7727, 17.9321



14.7780, 9.7727, 5.3839



5.3139, 9.7727, 5.6547



5.3611, 9.7727, 18.5326

Sweetspot

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



14.8716, 9.7732, 17.9323



35.6224, 33.2092, 42.1187



9.2062, 6.7182, 23.7335



8.1248, 7.4667, 9.6334



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.



14.8716, 9.7732, 17.9323



24.8215, 14.5661, 29.3964



13.1360, 9.0789, 8.7928



4.8108, 4.7440, 5.6158



11.4378, 5.6395, 12.1438



0.0425, 0.0207, 0.0572

Inverse Universe

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



14.8716, 9.7732, 17.9323



24.8215, 14.5661, 29.3964



13.6987, 19.5643, 19.3550



4.8108, 4.7440, 5.6158



11.4378, 5.6395, 12.1438



0.0425, 0.0207, 0.0572

Previews

White Background



This preview shows how the XYZ color 14.8713, 9.7727, 17.9321 looks on a white background.

Color Contrast Check

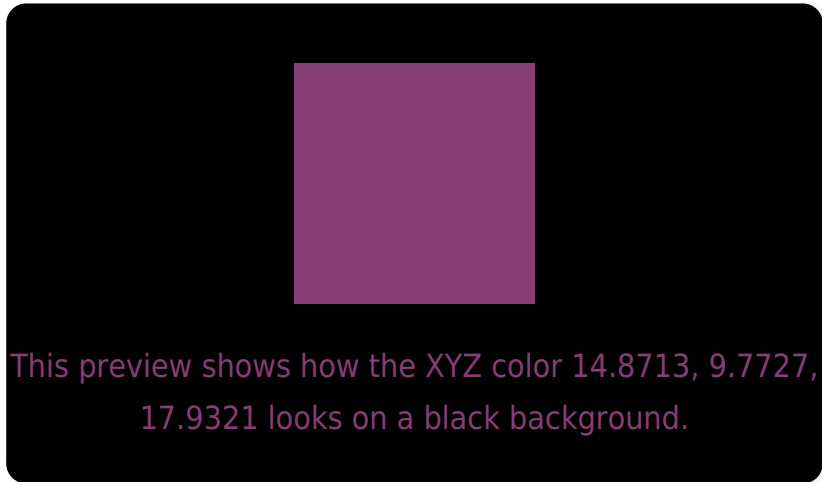
Large Text (above 18pt) WCAG AA ✓ Pass

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

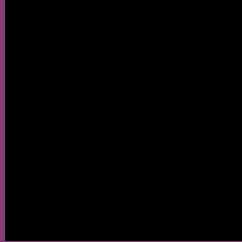
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8713, 9.7727, 17.9321

Background



This preview shows how black text looks on a background with the XYZ color 14.8713, 9.7727, 17.9321.



This preview shows how white text looks on a background with the XYZ color 14.8713, 9.7727, 17.9321.

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

14.8713, 9.7727, 17.9321

Protanopia

10.5214, 9.9535, 25.4114

Deuteranopia

10.1351, 9.9399, 17.0072



Tritanopia

12.9178, 9.8536, 8.0586

Trichromacy



Original Color

14.8713, 9.7727, 17.9321

Protanomaly

11.3697, 9.4402, 22.3420

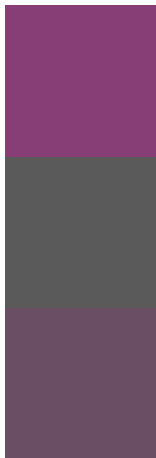
Deuteranomaly

11.3552, 9.5472, 17.1639

Tritanomaly

13.4112, 9.6752, 11.0582

Monochromacy



Original Color

14.8713, 9.7727, 17.9321

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.0401, 9.5762, 13.3231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8713, 9.7727, 17.9321 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, 61, 117)` looks like.

```
.text, #text, p{  
    color:rgb(135, 61, 117)  
}
```

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, 61, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 61, 117) }
```

Border

The CSS property to change the border of an element to XYZ 14.8713, 9.7727, 17.9321 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, 61, 117) }
```


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

```
.border{ border-color:rgb(135, 61, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 61, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 61, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 61, 117);  
box-shadow:4px 4px 4px 4px rgb(135, 61,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8713, 9.7727, 17.9321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 61, 117) }
```

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

```
.background{ background-color: rgb(135, 61,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor