

Converting Colors

XYZ(13.9113, 10.2900, 16.8145)

Have a look what the booklet for
XYZ(13.9113, 10.2900, 16.8145)
contains.

XYZ(13.9022, 10.2626, 16.8709)	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(13.9022, 10.2626,
16.8709)**

Conversions

Conversions Part 1

Format	Color
Hex	7E4871
RGB	126, 72, 113
RGB Percent	49%, 28%, 44%
CMY	0.5059, 0.7176, 0.5569
CMYK	0.00, 0.43, 0.10, 0.51
HSL	314°, 27%, 39%
HSV	314°, 43%, 49%
XYZ	13.9022, 10.2626, 16.8709
YIQ	92.8200, 19.0230, 24.1990

Conversions

Conversions Part 2

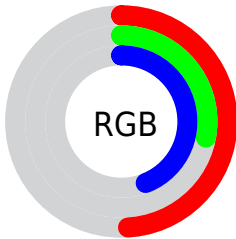
Format	Color
R_{YB}	126, 72, 113
Decimal	8276081
CIE _{Lab}	38.31, 29.35, -13.78
CIE _{LCh}	38, 32.424, 334.843
Yxy	10.2626, 0.3388, 0.2501
Android (android.graphics.Color)	4286466161 (0xFF7E4871)
YUV	92.8200, 9.9487, 29.0989
Hunter-Lab	32.0353, 21.4010, -8.7995

Details

The XYZ color **13.9022, 10.2626, 16.8709** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.7735, 16.9557, 11.2473**, and the grayscale version is **10.3373, 10.8756, 11.8436**.

A 20% lighter version of the original color is **32.5735, 26.3390, 38.9644**, and **4.2034, 2.5728, 5.2761** is the 20% darker color. If you saturate the color by 10%, you get **13.0017, 8.7303, 15.7422**, and if you desaturate by 10%, it is **14.9760, 12.1321, 18.0858**.

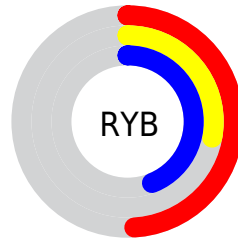
Distribution



Red (49%)

Green (28%)

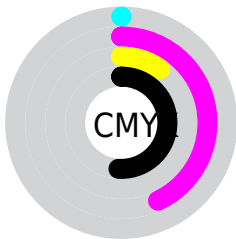
Blue (44%)



Red (49%)

Yellow (28%)

Blue (44%)

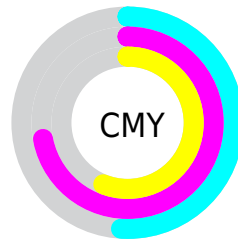


Cyan (0%)

Magenta (43%)

Yellow (10%)

Black (51%)



Cyan (51%)


Magenta (72%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.9022, 10.2626, 16.8709 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 13.9022, 10.2626, 16.8709 by changing the saturation by 10% instead.


 13.9022, 10.2626,
16.8709


 13.9022, 10.2626,
16.8709


210.1444,
192.5362, 246.4460


 8.1339, 5.5734,
9.9815


 32.5031, 26.2883,
38.8913


 4.2333, 2.5875,
5.2813

 46.0665, 38.3935,
54.8593


 1.8349, 0.9204,
2.3516

 62.9589, 53.7396,
74.6907

 0.5386, 0.0000,
0.7599

 83.5457, 72.7109,
98.8039

 0.0000, 0.0000,
0.0000

 108.1923, 95.6918,
127.6175

137.2641,

123.0667, 161.5500

171.1263,
155.2201, 201.0200

■ 13.9022, 10.2626,
16.8709

■ 13.9022, 10.2626,
16.8709

■ 13.0017, 8.7303,
15.7422

■ 14.9760, 12.1321,
18.0858

■ 12.2633, 7.5131,
14.6953

■ 16.2316, 14.3562,
19.3896

■ 11.6757, 6.5888,
13.7264

■ 17.6782, 16.9528,
20.7857

■ 11.2261, 5.9314,
12.8307

■ 19.3238, 19.9381,
22.2772

■ 10.8987, 5.5098,
12.0029

■ 21.1761, 23.3275,
23.8668

■ 10.7002, 5.2740,
11.4396

■ 23.2426, 27.1355,
25.5572

■ 25.5300, 31.3758,
27.3510

■ 28.0449, 36.0615,
29.2507

■ 30.7938, 41.2052,
31.2585

Harmonies

Analogous

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



12.2581, 10.2626, 23.6653



13.9022, 10.2626, 16.8709



14.3761, 10.2626, 10.2226

Triad

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



13.9022, 10.2626, 16.8709



9.4161, 10.2626, 3.1395



6.7916, 10.2626, 19.2048

Complementary

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



13.9022, 10.2626, 16.8709



11.7735, 16.9557, 11.2473

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.



6.2473, 10.2626, 12.1831



13.9022, 10.2626, 16.8709



7.6170, 10.2626, 4.0983

Square

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



13.9022, 10.2626, 16.8709



11.5808, 10.2626, 3.6164



6.5263, 10.2626, 6.9303



8.1307, 10.2626, 25.3184

Rectangle

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



13.9022, 10.2626, 16.8709



13.9141, 10.2626, 6.9724



6.5263, 10.2626, 6.9303



6.5191, 10.2626, 16.7950

Sweetspot

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



13.9025, 10.2631, 16.8711



30.9953, 29.6207, 36.4730



9.7938, 8.0543, 20.7774



6.9367, 6.5329, 8.1892



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.9025, 10.2631, 16.8711



22.9817, 15.5284, 27.8366



12.6178, 9.7492, 10.1061



4.4553, 4.3953, 5.2020



10.9756, 5.4099, 11.7269



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.9025, 10.2631, 16.8711



22.9817, 15.5284, 27.8366



13.0362, 17.4607, 17.8963



4.4553, 4.3953, 5.2020



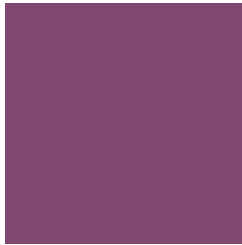
10.9756, 5.4099, 11.7269



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.9022, 10.2626, 16.8709 looks on a white background.

Color Contrast Check

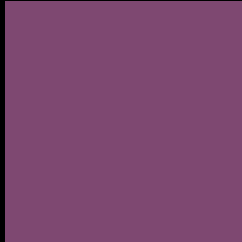
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9022, 10.2626, 16.8709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

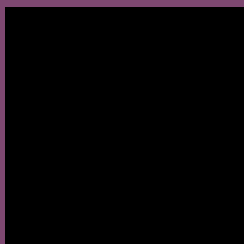
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9022, 10.2626, 16.8709

Background



This preview shows how black text looks on a background with the XYZ color 13.9022, 10.2626, 16.8709.



This preview shows how white text looks on a background with the XYZ color 13.9022, 10.2626,

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

13.9022, 10.2626, 16.8709

Protanopia

10.6465, 10.3566, 21.1766

Deuteranopia

10.6033, 10.4442, 16.2089



Tritanopia

12.4930, 10.2998, 9.7171

Trichromacy



Original Color

13.9022, 10.2626, 16.8709

Protanomaly

11.4742, 10.1084, 19.4355

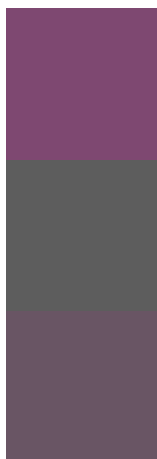
Deuteranomaly

11.5560, 10.2178, 16.4021

Tritanomaly

12.9622, 10.2802, 12.1276

Monochromacy



Original Color

13.9022, 10.2626, 16.8709

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.3744, 10.4204, 13.4684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9022, 10.2626, 16.8709 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(126, 72, 113)` looks like.

```
.text, #text, p{  
    color:rgb(126, 72, 113)  
}
```

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(126, 72, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 72, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.9022, 10.2626, 16.8709 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(126, 72, 113) }
```


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

```
.border{ border-color:rgb(126, 72, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 72, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 72, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 72, 113);  
box-shadow:4px 4px 4px 4px rgb(126, 72,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9022, 10.2626, 16.8709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 72, 113) }
```

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

```
.background{ background-color: rgb(126, 72,  
113) }
```

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