

Converting Colors

XYZ(14.6824, 7.2817, 13.6712)

Have a look what the booklet for
XYZ(14.6824, 7.2817, 13.6712)
contains.

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Color

**XYZ(14.7114, 7.2954,
13.7295)**

Conversions

Conversions Part 1

Format	Color
Hex	940068
RGB	148, 0, 104
RGB Percent	58%, 0%, 41%
CMY	0.4196, 0.9999, 0.5922
CMYK	0.00, 1.00, 0.30, 0.42
HSL	318°, 100%, 29%
HSV	318°, 100%, 58%
XYZ	14.7114, 7.2954, 13.7295
YIQ	56.1080, 54.8240, 63.7200

Conversions

Conversions Part 2

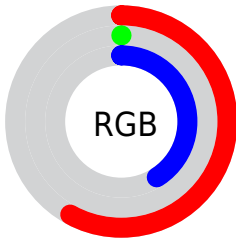
Format	Color
RYB	148, 0, 104
Decimal	9699432
CIELab	32.47, 59.53, -16.72
CIELCh	32, 61.838, 344.311
Yxy	7.2954, 0.4117, 0.2041
Android (android.graphics.Color)	4287889512 (0xFF940068)
YUV	56.1080, 23.6108, 80.5893
Hunter-Lab	27.0100, 49.9552, -11.2308

Details

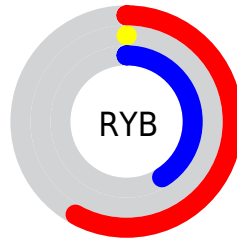
The XYZ color **14.7114, 7.2954, 13.7295** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.0451, 21.3619, 5.9259**, and the grayscale version is **3.7398, 3.9346, 4.2847**.

A 20% lighter version of the original color is **33.8861, 20.5205, 33.1852**, and **5.1522, 2.5707, 4.0955** is the 20% darker color. If you saturate the color by 10%, you get **14.7111, 7.2952, 13.7280**, and if you desaturate by 10%, it is **15.1092, 7.7237, 14.9940**.

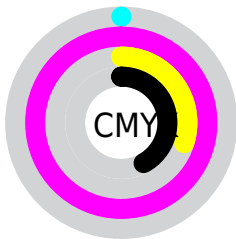
Distribution



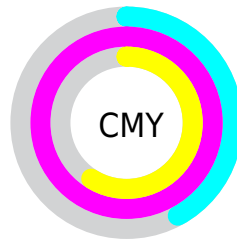
- Red (58%)
- Green (0%)
- Blue (41%)



- Red (58%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (42%)





- Cyan (42%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.7114, 7.2954, 13.7295 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 14.7114, 7.2954, 13.7295 by changing the saturation by 10% instead.


 14.7114, 7.2954,
13.7295


 14.7114, 7.2954,
13.7295


215.0359,
170.0962, 226.9111


 8.7021, 3.6475,
7.7962


 33.9219, 20.5651,
33.3185


 4.6029, 1.4784,
3.8789

 47.8538, 30.9556,
47.8112


 2.0486, 0.2735,
1.5591

 65.1573, 44.3625,
65.9942

 0.6610, 0.0000,
0.2614

 86.1977, 61.1702,
88.2859

 0.0000, 0.0000,
0.0000

 111.3405, 81.7630,
115.1049

 140.9508,

106.5253, 146.8697

175.3942,
135.8416, 183.9990

14.7114, 7.2954,
13.7295

14.7114, 7.2954,
13.7295

14.7111, 7.2952,
13.7280

15.1092, 7.7237,
14.9940

15.6369, 8.3931,
16.3601

16.3519, 9.4178,
17.8479

17.2763, 10.8418,
19.4656

18.4289, 12.7025,
21.2202

■ 19.8265, 15.0333,
23.1181

■ 21.4842, 17.8639,
25.1652

■ 23.4159, 21.2220,
27.3667

■ 25.6343, 25.1328,
29.7277

Harmonies

Analogous

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



12.1857, 7.2954, 28.4213



14.7114, 7.2954, 13.7295



14.7747, 7.2954, 4.3333

Triad

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



14.7114, 7.2954, 13.7295



5.5207, 7.2954, 0.0000



3.3955, 7.2954, 27.7258

Complementary

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



14.7114, 7.2954, 13.7295



11.0451, 21.3619, 5.9259

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.



2.5155, 7.2954, 13.1482



14.7114, 7.2954, 13.7295



3.4610, 7.2954, 0.8204

Square

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



14.7114, 7.2954, 13.7295



8.7358, 7.2954, 0.0000



2.5350, 7.2954, 4.0656



5.3988, 7.2954, 39.8860

Rectangle

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



14.7114, 7.2954, 13.7295



13.3644, 7.2954, 1.5732



2.5350, 7.2954, 4.0656



2.9904, 7.2954, 22.6057

Sweetspot

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



14.7116, 7.2958, 13.7296



37.7152, 31.1879, 44.1739



6.2982, 2.6297, 28.1925



8.3437, 6.6633, 9.7624



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



14.7116, 7.2958, 13.7296



25.8788, 12.8408, 23.8098



12.4748, 6.4011, 1.9504



5.9626, 5.8801, 6.9091



12.5780, 6.2363, 11.7907



0.1669, 0.0815, 0.2128

Inverse Universe

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



14.7116, 7.2958, 13.7296



25.8788, 12.8408, 23.8098



13.7389, 22.4394, 20.1111



5.9626, 5.8801, 6.9091



12.5780, 6.2363, 11.7907



0.1669, 0.0815, 0.2128

Previews

White Background



This preview shows how the XYZ color 14.7114, 7.2954, 13.7295 looks on a white background.

Color Contrast Check

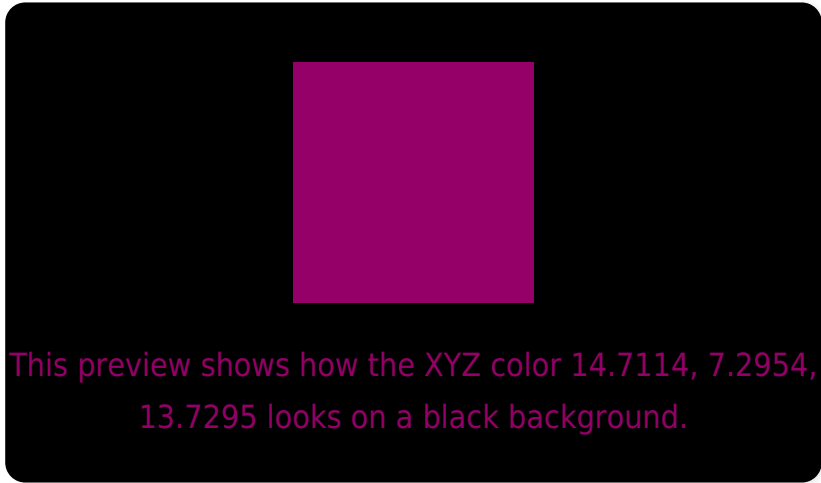
Large Text (above 18pt) WCAG AA ✓ Pass

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

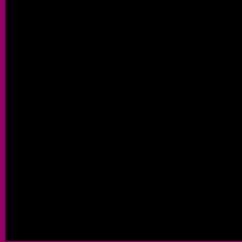
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7114, 7.2954, 13.7295

Background



This preview shows how black text looks on a background with the XYZ color 14.7114, 7.2954, 13.7295.



This preview shows how white text looks on a background with the XYZ color 14.7114, 7.2954,

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

14.7114, 7.2954, 13.7295

Protanopia

8.9540, 7.9381, 29.0773

Deuteranopia

8.0239, 7.9315, 12.4173



Tritanopia

12.7306, 7.6896, 3.0988

Trichromacy



Original Color

14.7114, 7.2954, 13.7295

Protanomaly

8.6565, 5.6119, 22.4568

Deuteranomaly

9.0344, 6.0849, 12.7549

Tritanomaly

13.0006, 7.1402, 5.6940

Monochromacy



Original Color

14.7114, 7.2954, 13.7295

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

5.9533, 3.8666, 6.7359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7114, 7.2954, 13.7295 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(148, 0, 104)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 104)  
}
```

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(148, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 104) }
```

Border

The CSS property to change the border of an element to XYZ 14.7114, 7.2954, 13.7295 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(148, 0, 104) }
```


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

```
.border{ border-color:rgb(148, 0, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 0, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(148, 0,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7114, 7.2954, 13.7295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 104) }
```

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

```
.background{ background-color: rgb(148, 0,  
104) }
```

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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