

Converting Colors

XYZ(13.1219, 7.0345, 14.8869)

Have a look what the booklet for
XYZ(13.1219, 7.0345, 14.8869)
contains.

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Color

**XYZ(13.0904, 7.0175,
14.8519)**

Conversions

Conversions Part 1

Format	Color
Hex	871B6C
RGB	135, 27, 108
RGB Percent	53%, 11%, 42%
CMY	0.4706, 0.8941, 0.5765
CMYK	0.00, 0.80, 0.20, 0.47
HSL	315°, 67%, 32%
HSV	315°, 80%, 53%
XYZ	13.0904, 7.0175, 14.8519
YIQ	68.5260, 38.3670, 48.0870

Conversions

Conversions Part 2

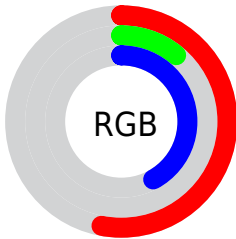
Format	Color
R_{YB}	135, 27, 108
Decimal	8854380
CIE _{Lab}	31.85, 51.98, -20.46
CIE _{LCh}	32, 55.857, 338.515
Yxy	7.0175, 0.3744, 0.2007
Android (android.graphics.Color)	4287044460 (0xFF871B6C)
YUV	68.5260, 19.4607, 58.2977
Hunter-Lab	26.4906, 41.8479, -14.6975

Details

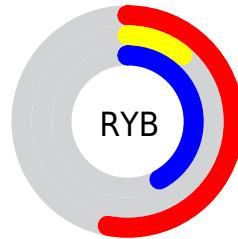
The XYZ color **13.0904, 7.0175, 14.8519** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.7823, 17.8276, 6.4165**, and the grayscale version is **5.5451, 5.8339, 6.3531**.

A 20% lighter version of the original color is **31.0013, 19.9551, 35.4755**, and **4.2089, 2.0756, 4.4538** is the 20% darker color. If you saturate the color by 10%, you get **12.6728, 6.4641, 13.8435**, and if you desaturate by 10%, it is **13.6577, 7.8589, 15.9446**.

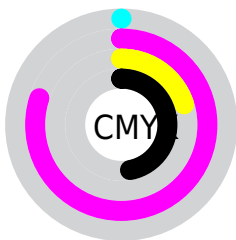
Distribution



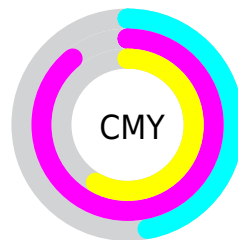
- Red (53%)
- Green (11%)
- Blue (42%)



- Red (53%)
- Yellow (11%)
- Blue (42%)



- Cyan (0%)
- Magenta (80%)
- Yellow (20%)
- Black (47%)




- Cyan (47%)
- Magenta (89%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0904, 7.0175, 14.8519 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 13.0904, 7.0175, 14.8519 by changing the saturation by 10% instead.


 13.0904, 7.0175,
14.8519


 13.0904, 7.0175,
14.8519


205.1221,
167.8090, 234.0779


 7.5683, 3.4730,
8.5700


 31.0660, 20.0084,
35.3318


 3.8694, 1.3834,
4.3689

 44.2502, 30.2237,
50.3669

 1.6285, 0.2044,
1.8298

 60.7191, 43.4313,
69.1568

 0.4109, 0.0000,
0.4475

 80.8382, 60.0157,
92.1201

 0.0000, 0.0000,
0.0000

 104.9726, 80.3613,
119.6753

 133.4878,

104.8524, 152.2410

166.7492,
133.8735, 190.2357

■ 13.0904, 7.0175,
14.8519

■ 13.0904, 7.0175,
14.8519

■ 12.6728, 6.4641,
13.8435

■ 13.6577, 7.8589,
15.9446

■ 12.3530, 6.0956,
12.9016

■ 14.3914, 9.0220,
17.1275

■ 12.3529, 6.0954,
12.9011

■ 15.3067, 10.5369,
18.4059

■ 16.4168, 12.4297,
19.7847

■ 17.7335, 14.7245,
21.2681

■ 19.2680, 17.4429,
22.8603

■ 21.0304, 20.6052,
24.5650

■ 23.0302, 24.2304,
26.3856

■ 25.2763, 28.3364,
28.3256

Harmonies

Analogous

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



10.6458, 7.0175, 27.3553



13.0904, 7.0175, 14.8519



13.5934, 7.0175, 5.5655

Triad

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



13.0904, 7.0175, 14.8519



5.8993, 7.0175, 0.0000



3.2646, 7.0175, 21.9538

Complementary

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



13.0904, 7.0175, 14.8519



9.7823, 17.8276, 6.4165

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.



2.6177, 7.0175, 10.1770



13.0904, 7.0175, 14.8519



3.8323, 7.0175, 0.7832

Square

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



13.0904, 7.0175, 14.8519



8.8583, 7.0175, 0.2050



2.7912, 7.0175, 3.2494



4.8754, 7.0175, 33.0934

Rectangle

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



13.0904, 7.0175, 14.8519



12.6551, 7.0175, 2.3684



2.7912, 7.0175, 3.2494



2.9513, 7.0175, 17.7032

Sweetspot

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



13.0906, 7.0179, 14.8520



33.2072, 28.9286, 39.6183



6.2869, 3.3179, 23.2309



7.4946, 6.3532, 8.9702



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.



13.0906, 7.0179, 14.8520



22.2531, 11.0905, 23.4194



11.0498, 6.2015, 4.1054



4.8095, 4.7435, 5.6090



11.3963, 5.6229, 11.9252



0.0424, 0.0206, 0.0567

Inverse Universe

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



13.0906, 7.0179, 14.8520



22.2531, 11.0905, 23.4194



11.8231, 18.6439, 17.1635



4.8095, 4.7435, 5.6090



11.3963, 5.6229, 11.9252



0.0424, 0.0206, 0.0567

Previews

White Background



This preview shows how the XYZ color 13.0904, 7.0175, 14.8519 looks on a white background.

Color Contrast Check

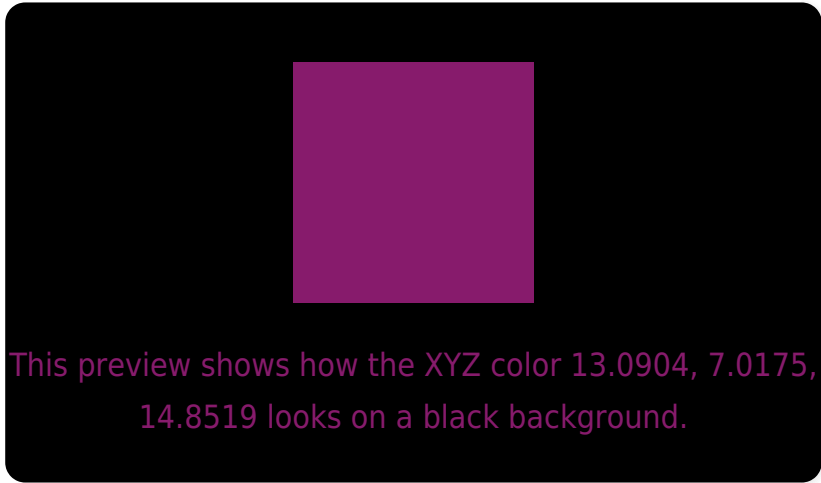
Large Text (above 18pt) WCAG AA ✓ Pass

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

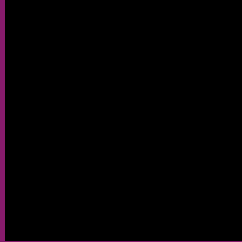
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0904, 7.0175, 14.8519

Background



This preview shows how black text looks on a background with the XYZ color 13.0904, 7.0175, 14.8519.



This preview shows how white text looks on a background with the XYZ color 13.0904, 7.0175,

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

13.0904, 7.0175, 14.8519

Protanopia

8.4000, 7.3662, 28.1732

Deuteranopia

7.4401, 7.2936, 13.5860



Tritanopia

10.8604, 7.0987, 3.9298

Trichromacy



Original Color

13.0904, 7.0175, 14.8519

Protanomaly

8.3756, 6.0087, 22.5481

Deuteranomaly

8.6278, 6.4053, 13.8783

Tritanomaly

11.4442, 6.8910, 6.8578

Monochromacy



Original Color

13.0904, 7.0175, 14.8519

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

7.3947, 5.5900, 8.8729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0904, 7.0175, 14.8519 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, 27, 108)` looks like.

```
.text, #text, p{  
    color:rgb(135, 27, 108)  
}
```

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, 27, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 27, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.0904, 7.0175, 14.8519 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, 27, 108) }
```


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

```
.border{ border-color:rgb(135, 27, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 27, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 27, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 27, 108);  
box-shadow:4px 4px 4px 4px rgb(135, 27,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0904, 7.0175, 14.8519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 27, 108) }
```

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

```
.background{ background-color: rgb(135, 27,  
108) }
```

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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