

Converting Colors

XYZ(13.7281, 5.3871, 13.1454)

Have a look what the booklet for
XYZ(13.7281, 5.3871, 13.1454)
contains.

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Color

**XYZ(14.6609, 7.2752,
13.4635)**

Conversions

Conversions Part 1

Format	Color
Hex	940067
RGB	148, 0, 103
RGB Percent	58%, 0%, 40%
CMY	0.4196, 0.9999, 0.5961
CMYK	0.00, 1.00, 0.30, 0.42
HSL	318°, 100%, 29%
HSV	318°, 100%, 58%
XYZ	14.6609, 7.2752, 13.4635
YIQ	55.9940, 55.1450, 63.4090

Conversions

Conversions Part 2

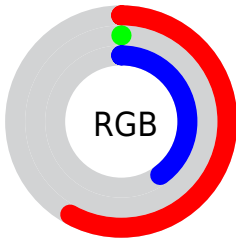
Format	Color
R_{YB}	148, 0, 103
Decimal	9699431
CIE _{Lab}	32.43, 59.42, -16.15
CIE _{LCh}	32, 61.575, 344.797
Yxy	7.2752, 0.4142, 0.2055
Android (android.graphics.Color)	4287889511 (0xFF940067)
YUV	55.9940, 23.1740, 80.6893
Hunter-Lab	26.9726, 49.8214, -10.7141

Details

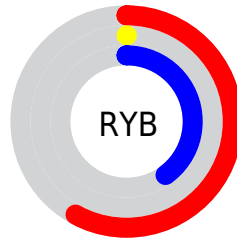
The XYZ color **14.6609, 7.2752, 13.4635** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.0642, 21.3695, 6.0262**, and the grayscale version is **3.7257, 3.9197, 4.2686**.

A 20% lighter version of the original color is **33.8024, 20.4871, 32.7447**, and **5.1274, 2.5608, 3.9654** is the 20% darker color. If you saturate the color by 10%, you get **14.6606, 7.2750, 13.4619**, and if you desaturate by 10%, it is **15.0613, 7.7046, 14.7418**.

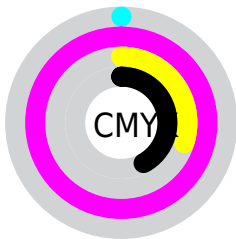
Distribution



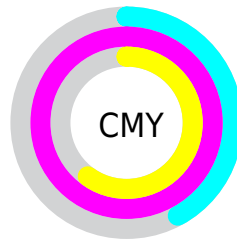
- Red (58%)
- Green (0%)
- Blue (40%)



- Red (58%)
- Yellow (0%)
- Blue (40%)



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



- Cyan (42%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6609, 7.2752, 13.4635 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 14.6609, 7.2752, 13.4635 by changing the saturation by 10% instead.

14.6609, 7.2752,
13.4635

14.6609, 7.2752,
13.4635

214.7338,
169.9312, 225.1784

8.6665, 3.6348,
7.6140

33.8338, 20.5247,
32.8373

4.5797, 1.4714,
3.7648

47.7429, 30.9027,
47.1987

2.0350, 0.2685,
1.4972

65.0211, 44.2952,
65.2345

0.6535, 0.0000,
0.2158


86.0335, 61.0868,
87.3633


0.0000, 0.0000,
0.0000

111.1457, 81.6618,
114.0035


140.7229,

106.4046, 145.5737

 175.1305,
135.6996, 182.4925


 14.6609, 7.2752,
13.4635


 14.6609, 7.2752,
13.4635


 14.6606, 7.2750,
13.4619

 15.0613, 7.7046,
14.7418

 15.5921, 8.3752,
16.1244

 16.3108, 9.4014,
17.6315

 17.2394, 10.8270,
19.2712

 18.3967, 12.6897,
21.0507

■ 19.7996, 15.0225,
22.9765

■ 21.4632, 17.8555,
25.0543

■ 23.4013, 21.2161,
27.2897

■ 25.6267, 25.1298,
29.6876

Harmonies

Analogous

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



12.1850, 7.2752, 28.0016



14.6609, 7.2752, 13.4635



14.6794, 7.2752, 4.2355

Triad

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



14.6609, 7.2752, 13.4635



5.4667, 7.2752, 0.0000



3.4180, 7.2752, 27.7987

Complementary

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



14.6609, 7.2752, 13.4635



11.0642, 21.3695, 6.0262

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.



2.5253, 7.2752, 13.2936



14.6609, 7.2752, 13.4635



3.4371, 7.2752, 0.8538

Square

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



14.6609, 7.2752, 13.4635



8.6470, 7.2752, 0.0000



2.5310, 7.2752, 4.1571



5.4310, 7.2752, 39.7259

Rectangle

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



14.6609, 7.2752, 13.4635



13.2557, 7.2752, 1.5386



2.5310, 7.2752, 4.1571



3.0087, 7.2752, 22.7230

Sweetspot

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



14.6611, 7.2756, 13.4636



37.6774, 31.1728, 43.9747



6.4021, 2.6832, 28.1974



8.3341, 6.6595, 9.7121



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.



14.6611, 7.2756, 13.4636



25.7888, 12.8048, 23.3360



12.4424, 6.3881, 1.7800



5.9610, 5.8795, 6.9006



12.5350, 6.2191, 11.5642



0.1666, 0.0814, 0.2108

Inverse Universe

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



14.6611, 7.2756, 13.4636



25.7888, 12.8048, 23.3360



13.8842, 22.4975, 20.8763



5.9610, 5.8795, 6.9006



12.5350, 6.2191, 11.5642



0.1666, 0.0814, 0.2108

Previews

White Background



This preview shows how the XYZ color 14.6609, 7.2752, 13.4635 looks on a white background.

Color Contrast Check

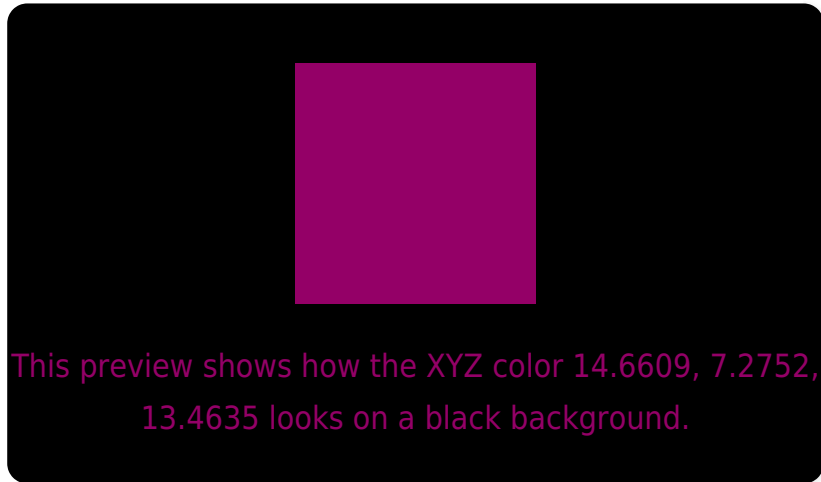
Large Text (above 18pt) WCAG AA ✓ Pass

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

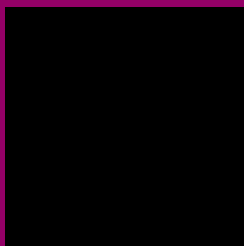
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6609, 7.2752, 13.4635

Background



This preview shows how black text looks on a background with the XYZ color 14.6609, 7.2752, 13.4635.



This preview shows how white text looks on a background with the XYZ color 14.6609, 7.2752,

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

14.6609, 7.2752, 13.4635

Protanopia

8.9590, 7.9498, 28.6660

Deuteranopia

8.0602, 7.9556, 12.1771



Tritanopia

12.7125, 7.6823, 3.0033

Trichromacy



Original Color

14.6609, 7.2752, 13.4635

Protanomaly

8.6747, 5.6292, 22.1021

Deuteranomaly

9.1017, 6.1251, 12.5069

Tritanomaly

12.9719, 7.1287, 5.5428

Monochromacy



Original Color

14.6609, 7.2752, 13.4635

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 14.6609, 7.2752, 13.4635 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 103) }
```

Border

The CSS property to change the border of an element to XYZ 14.6609, 7.2752, 13.4635 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, 103) }
```


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

```
.border{ border-color:rgb(148, 0, 103) }
```

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, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(148, 0,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6609, 7.2752, 13.4635 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, 103) }
```

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

```
.background{ background-color: rgb(148, 0,  
103) }
```

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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