

Converting Colors

XYZ(14.9745, 7.4523, 12.7769)

Have a look what the booklet for
XYZ(14.9745, 7.4523, 12.7769)
contains.

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Color

**XYZ(14.8779, 7.4041,
12.7016)**

Conversions

Conversions Part 1

Format	Color
Hex	960064
RGB	150, 0, 100
RGB Percent	59%, 0%, 39%
CMY	0.4118, 0.9999, 0.6078
CMYK	0.00, 1.00, 0.33, 0.41
HSL	320°, 100%, 29%
HSV	320°, 100%, 59%
XYZ	14.8779, 7.4041, 12.7016
YIQ	56.2500, 57.3000, 62.9000

Conversions

Conversions Part 2

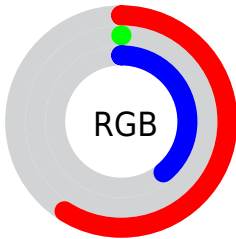
Format	Color
RYB	150, 0, 100
Decimal	9830500
CIELab	32.71, 59.51, -13.74
CIELCh	33, 61.076, 346.999
Yxy	7.4041, 0.4253, 0.2116
Android (android.graphics.Color)	4288020580 (0xFF960064)
YUV	56.2500, 21.5688, 82.2188
Hunter-Lab	27.2105, 49.9803, -8.6287

Details

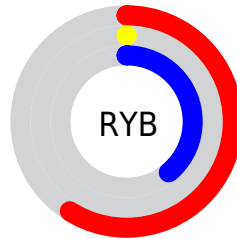
The XYZ color **14.8779, 7.4041, 12.7016** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.4827, 22.0432, 6.6691**, and the grayscale version is **3.7602, 3.9560, 4.3081**.

A 20% lighter version of the original color is **34.1828, 20.8131, 31.4939**, and **5.2587, 2.6367, 3.5999** is the 20% darker color. If you saturate the color by 10%, you get **14.8777, 7.4040, 12.7002**, and if you desaturate by 10%, it is **15.2986, 7.8461, 14.0730**.

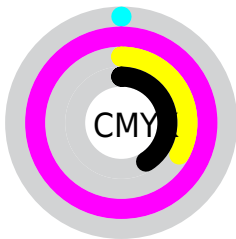
Distribution



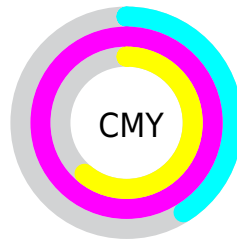
- Red (59%)
- Green (0%)
- Blue (39%)



- Red (59%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (41%)





- Cyan (41%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.8779, 7.4041, 12.7016 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 14.8779, 7.4041, 12.7016 by changing the saturation by 10% instead.


 14.8779, 7.4041,
12.7016


 14.8779, 7.4041,
12.7016


216.0291,
170.9805, 220.1366


 8.8195, 3.7161,
7.0951


 34.2123, 20.7817,
31.4499


 4.6798, 1.5160,
3.4423

 48.2189, 31.2400,
45.4288


 2.0935, 0.3000,
1.3247

 65.6057, 44.7239,
63.0356

 0.6857, 0.0000,
0.0819


 86.7380, 61.6177,
84.6888

 0.0000, 0.0000,
0.0000

 111.9811, 82.3059,
110.8070

 141.7004,

107.1728, 141.8086

 176.2613,
136.6029, 178.1123


 14.8779, 7.4041,
12.7016

 14.8779, 7.4041,
12.7016


 14.8777, 7.4040,
12.7002

 15.2986, 7.8461,
14.0730

 15.8569, 8.5393,
15.5647

 16.6114, 9.6000,
17.1977

 17.5848, 11.0737,
18.9807

 18.7968, 12.9993,
20.9215

■ 20.2648, 15.4111,
23.0269

■ 22.0045, 18.3401,
25.3034

■ 24.0302, 21.8148,
27.7569

■ 26.3553, 25.8613,
30.3928

Harmonies

Analogous

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



12.5522, 7.4041, 26.9914



14.8779, 7.4041, 12.7016



14.6960, 7.4041, 3.9355

Triad

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



14.8779, 7.4041, 12.7016



5.3903, 7.4041, 0.0000



3.6248, 7.4041, 28.9799

Complementary

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



14.8779, 7.4041, 12.7016



11.4827, 22.0432, 6.6691

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.



2.6465, 7.4041, 14.3747



14.8779, 7.4041, 12.7016



3.4336, 7.4041, 1.0321

Square

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



14.8779, 7.4041, 12.7016



8.5115, 7.4041, 0.0000



2.5892, 7.4041, 4.7169



5.7441, 7.4041, 40.2125

Rectangle

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



14.8779, 7.4041, 12.7016



13.1701, 7.4041, 1.4336



2.5892, 7.4041, 4.7169



3.1837, 7.4041, 23.9552

Sweetspot

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



14.8781, 7.4045, 12.7017



38.6340, 32.0279, 44.4041



6.8212, 2.8808, 29.0507



8.2931, 6.6431, 9.4960



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.



14.8781, 7.4045, 12.7017



26.1721, 13.0330, 21.9724



12.7535, 6.5547, 1.5135



5.9539, 5.8766, 6.8636



12.3545, 6.1468, 10.6136



0.1649, 0.0807, 0.2021

Inverse Universe

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



14.8781, 7.4045, 12.7017



26.1721, 13.0330, 21.9724



14.6084, 23.2935, 23.1292



5.9539, 5.8766, 6.8636



12.3545, 6.1468, 10.6136



0.1649, 0.0807, 0.2021

Previews

White Background



This preview shows how the XYZ color 14.8779, 7.4041, 12.7016 looks on a white background.

Color Contrast Check

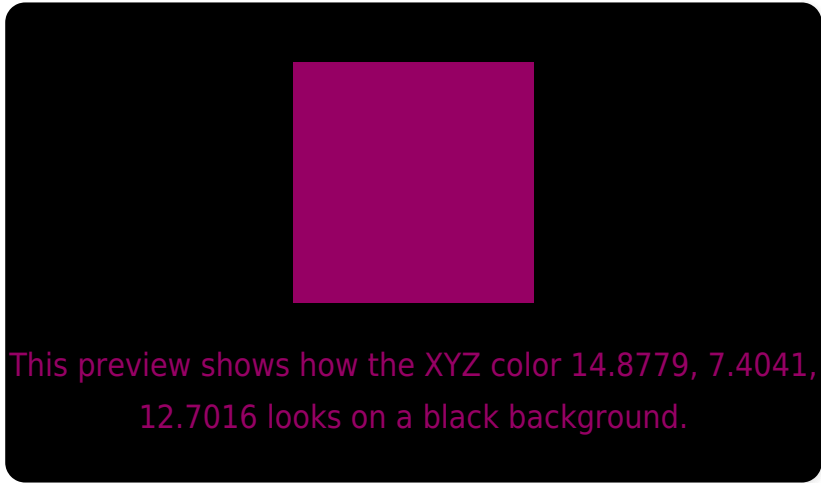
Large Text (above 18pt) WCAG AA ✓ Pass

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

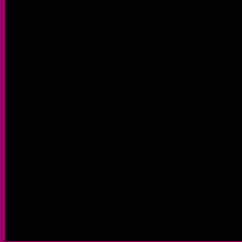
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8779, 7.4041, 12.7016

Background



This preview shows how black text looks on a background with the XYZ color 14.8779, 7.4041, 12.7016.



This preview shows how white text looks on a background with the XYZ color 14.8779, 7.4041, 12.7016.

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

14.8779, 7.4041, 12.7016

Protanopia

8.9977, 8.1101, 27.0778

Deuteranopia

8.1798, 8.0329, 11.4753



Tritanopia

13.0131, 7.7887, 2.9153

Trichromacy



Original Color

14.8779, 7.4041, 12.7016

Protanomaly

8.8091, 5.7919, 20.7323

Deuteranomaly

9.3153, 6.2515, 11.7820

Tritanomaly

13.2498, 7.2461, 5.2577

Monochromacy



Original Color

14.8779, 7.4041, 12.7016

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.0170, 3.9033, 6.5672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8779, 7.4041, 12.7016 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(150, 0, 100)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 100)  
}
```

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(150, 0, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 100) }
```

Border

The CSS property to change the border of an element to XYZ 14.8779, 7.4041, 12.7016 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(150, 0, 100) }
```


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

```
.border{ border-color:rgb(150, 0, 100) }
```

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

Here you see how a box with a 4 pixel rgb(150, 0, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(150, 0,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8779, 7.4041, 12.7016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 100) }
```

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

```
.background{ background-color: rgb(150, 0,  
100) }
```

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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