

Converting Colors

XYZ(14.7433, 7.1187, 22.4563)

Have a look what the booklet for
XYZ(14.7433, 7.1187, 22.4563)
contains.

XYZ(14.8123, 7.1549, 22.4301)	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(14.8123, 7.1549,
22.4301)**

Conversions

Conversions Part 1

Format	Color
Hex	8B0084
RGB	139, 0, 132
RGB Percent	55%, 0%, 52%
CMY	0.4549, 1.0000, 0.4824
CMYK	0.00, 1.00, 0.05, 0.45
HSL	303°, 100%, 27%
HSV	303°, 100%, 55%
XYZ	14.8123, 7.1549, 22.4301
YIQ	56.6090, 40.4720, 70.5200

Conversions

Conversions Part 2

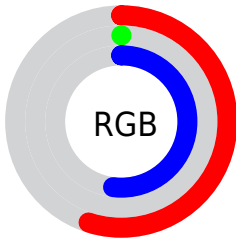
Format	Color
R_{YB}	139, 0, 132
Decimal	9109636
CIE _{Lab}	32.16, 61.50, -35.09
CIE _{LCh}	32, 70.803, 330.291
Yxy	7.1549, 0.3336, 0.1612
Android (android.graphics.Color)	4287299716 (0xFF8B0084)
YUV	56.6090, 37.1678, 72.2569
Hunter-Lab	26.7486, 52.0358, -30.9936

Details

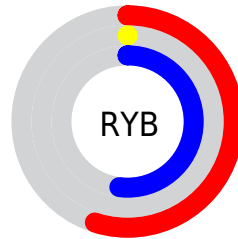
The XYZ color **14.8123, 7.1549, 22.4301** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **9.2713, 18.4809, 3.2799**, and the grayscale version is **3.7882, 3.9855, 4.3402**.

A 20% lighter version of the original color is **34.1440, 20.3131, 48.5756**, and **5.1791, 2.4940, 8.1911** is the 20% darker color. If you saturate the color by 10%, you get **14.8124, 7.1550, 22.4300**, and if you desaturate by 10%, it is **15.0164, 7.4859, 22.7354**.

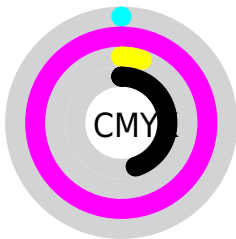
Distribution



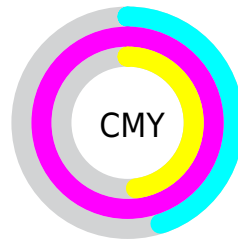
- Red (55%)
- Green (0%)
- Blue (52%)



- Red (55%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (45%)



- Cyan (45%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8123, 7.1549, 22.4301 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 14.8123, 7.1549, 22.4301 by changing the saturation by 10% instead.

■ 14.8123, 7.1549,
22.4301

■ 14.8123, 7.1549,
22.4301

215.6383,
168.9447, 277.8106

■ 8.7732, 3.5592,
13.9719

■ 34.0979, 20.2842,
48.3671

■ 4.6495, 1.4302,
7.9626

■ 48.0752, 30.5865,
66.6830

■ 2.0757, 0.2388,
3.9836

■ 65.4292, 43.8931,
89.1220

■ 0.6760, 0.0000,
1.6164

■ 86.5253, 60.5884,
116.1025


■ 0.0000, 0.0000,
0.3024


■ 111.7290, 81.0568,
148.0430


■ 0.0000, 0.0000,
0.0000

■ 141.4054,


105.6827, 185.3622


 175.9201,
134.8506, 228.4786


 14.8123, 7.1549,
22.4301


 14.8123, 7.1549,
22.4301


 14.8124, 7.1550,
22.4300

 15.0164, 7.4859,
22.7354

 15.3198, 8.0152,
23.0753

 15.7755, 8.8487,
23.4675

 16.4022, 10.0236,
23.9184

 17.2159, 11.5720,
24.4332

■ 18.2307, 13.5222,
25.0166

■ 19.4595, 15.8996,
25.6730

■ 20.9139, 18.7279,
26.4062

■ 22.6048, 22.0286,
27.2198

Harmonies

Analogous

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



10.9491, 7.1549, 40.7813



14.8123, 7.1549, 22.4301



16.4030, 7.1549, 7.6897

Triad

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



14.8123, 7.1549, 22.4301



6.7652, 7.1549, 0.0000



2.3877, 7.1549, 22.7867

Complementary

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



14.8123, 7.1549, 22.4301



9.2713, 18.4809, 3.2799

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.



1.9454, 7.1549, 7.8921



14.8123, 7.1549, 22.4301



3.8597, 7.1549, 0.0000

Square

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



14.8123, 7.1549, 22.4301



10.8652, 7.1549, 0.0000



2.3701, 7.1549, 1.4995



3.9018, 7.1549, 41.0871

Rectangle

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



14.8123, 7.1549, 22.4301



15.6386, 7.1549, 2.7214



2.3701, 7.1549, 1.4995



2.1389, 7.1549, 16.9473

Sweetspot

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



14.8126, 7.1552, 22.4302



34.6905, 28.1672, 45.8935



4.7475, 1.9093, 24.5447



7.7962, 6.1080, 10.4712



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



14.8126, 7.1552, 22.4302



26.5075, 12.8057, 40.0696



11.5326, 5.8432, 5.1580



5.2232, 5.1247, 6.2636



13.3706, 6.4584, 20.2539



0.0904, 0.0435, 0.1427

Inverse Universe

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



14.8126, 7.1552, 22.4302



26.5075, 12.8057, 40.0696



10.5533, 18.9937, 10.0308



5.2232, 5.1247, 6.2636



13.3706, 6.4584, 20.2539



0.0904, 0.0435, 0.1427

Previews

White Background



This preview shows how the XYZ color 14.8123, 7.1549, 22.4301 looks on a white background.

Color Contrast Check

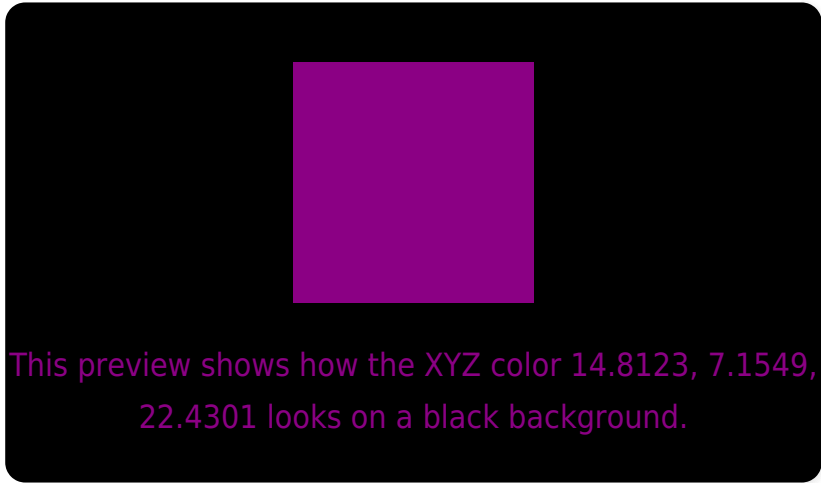
Large Text (above 18pt) WCAG AA ✓ Pass

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

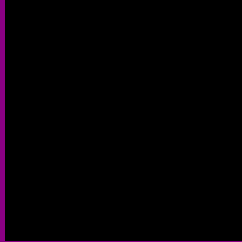
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8123, 7.1549, 22.4301

Background



This preview shows how black text looks on a background with the XYZ color 14.8123, 7.1549, 22.4301.



This preview shows how white text looks on a background with the XYZ color 14.8123, 7.1549,

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

14.8123, 7.1549, 22.4301

Protanopia

9.0175, 7.7421, 34.7373

Deuteranopia

7.9554, 7.8315, 20.1611



Tritanopia

11.2777, 7.5571, 4.4787

Trichromacy



Original Color

14.8123, 7.1549, 22.4301

Protanomaly

7.9272, 5.0197, 29.4053

Deuteranomaly

8.7177, 5.7448, 20.7281

Tritanomaly

11.9367, 6.7806, 8.8633

Monochromacy



Original Color

14.8123, 7.1549, 22.4301

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.1616, 3.9281, 8.8209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8123, 7.1549, 22.4301 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(139, 0, 132)` looks like.

```
.text, #text, p{  
    color:rgb(139, 0, 132)  
}
```

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(139, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 0, 132) }
```

Border

The CSS property to change the border of an element to XYZ 14.8123, 7.1549, 22.4301 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(139, 0, 132) }
```


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

```
.border{ border-color:rgb(139, 0, 132) }
```

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

Here you see how a box with a 4 pixel rgb(139, 0, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(139, 0,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8123, 7.1549, 22.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 0, 132) }
```

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

```
.background{ background-color: rgb(139, 0,  
132) }
```

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