

# Converting Colors

XYZ(14.5247, 7.2724, 10.4086)

Have a look what the booklet for  
XYZ(14.5247, 7.2724, 10.4086)  
contains.

<b>XYZ(14.4231, 7.2222, 10.3067)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(14.4231, 7.2222,  
10.3067)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	96005A
RGB	150, 0, 90
RGB Percent	59%, 0%, 35%
CMY	0.4118, 0.9999, 0.6471
CMYK	0.00, 1.00, 0.40, 0.41
HSL	324°, 100%, 29%
HSV	324°, 100%, 59%
XYZ	14.4231, 7.2222, 10.3067
YIQ	55.1100, 60.5100, 59.7900

# Conversions

## Conversions Part 2

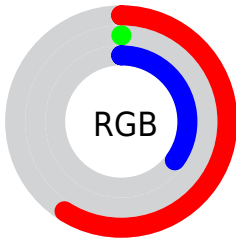
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 0, 90
Decimal	9830490
CIELab	32.31, 58.47, -7.86
CIElCh	32, 58.996, 352.344
Yxy	7.2222, 0.4514, 0.2260
Android (android.graphics.Color)	4288020570 (0xFF96005A)
YUV	55.1100, 17.2008, 83.2185
Hunter-Lab	26.8742, 48.7695, -3.9268

# Details

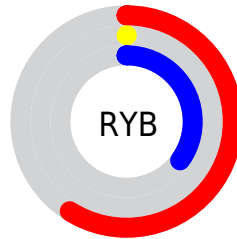
The XYZ color **14.4231, 7.2222, 10.3067** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.7227, 22.1392, 7.9330**, and the grayscale version is **3.6201, 3.8087, 4.1476**.

A 20% lighter version of the original color is **33.5442, 20.4809, 26.9962**, and **4.9688, 2.5090, 2.6053** is the 20% darker color. If you saturate the color by 10%, you get **14.4228, 7.2221, 10.3050**, and if you desaturate by 10%, it is **14.8601, 7.6707, 11.7639**.

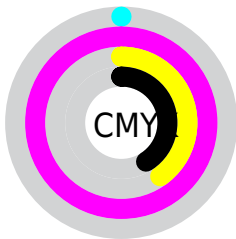
# Distribution



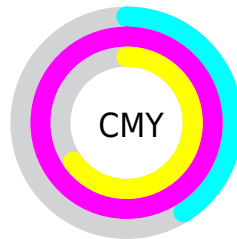
- Red (59%)
- Green (0%)
- Blue (35%)



- Red (59%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (41%)




- Cyan (41%)
- Magenta (100%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4231, 7.2222, 10.3067 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 14.4231, 7.2222, 10.3067 by changing the saturation by 10% instead.





 14.4231, 7.2222,  
10.3067


 14.4231, 7.2222,  
10.3067


213.3056,  
169.4974, 203.4109


 8.4992, 3.6014,  
5.4945


 33.4179, 20.4188,  
26.9876


 4.4705, 1.4532,  
2.4765

 47.2195, 30.7635,  
39.6934


 1.9716, 0.2555,  
0.8276

 64.3778, 44.1183,  
55.8674

 0.6179, 0.0000,  
0.0000

 85.2580, 60.8676,  
75.9283


 0.0000, 0.0000,  
0.0000


 110.2255, 81.3957,  
100.2946

 139.6457,


106.0871, 129.3847

 173.8840,  
135.3263, 163.6173


 14.4231, 7.2222,  
10.3067


 14.4231, 7.2222,  
10.3067


 14.4228, 7.2221,  
10.3050

 14.8601, 7.6707,  
11.7639

 15.4407, 8.3729,  
13.3731

 16.2237, 9.4450,  
15.1560

 17.2319, 10.9327,  
17.1225

 18.4854, 12.8749,  
19.2813

■ 20.0016, 15.3061,  
21.6404

■ 21.7964, 18.2572,  
24.2069

■ 23.8843, 21.7567,  
26.9877

■ 26.2788, 25.8311,  
29.9891

# Harmonies

## Analogous

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



12.5975, 7.2222, 23.1273



14.4231, 7.2222, 10.3067



13.7990, 7.2222, 3.0682

# Triad

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



14.4231, 7.2222, 10.3067



4.8766, 7.2222, 0.0794



3.8813, 7.2222, 29.8989

# Complementary

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



14.4231, 7.2222, 10.3067



11.7227, 22.1392, 7.9330

# 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.



2.7585, 7.2222, 16.0807



14.4231, 7.2222, 10.3067



3.2038, 7.2222, 1.4355

# Square

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



14.4231, 7.2222, 10.3067



7.6715, 7.2222, 0.0000



2.5536, 7.2222, 5.8410



6.1161, 7.2222, 38.7722



# Rectangle

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



14.4231, 7.2222, 10.3067



12.1432, 7.2222, 1.1242



2.5536, 7.2222, 5.8410



3.3920, 7.2222, 25.3440

# Sweetspot

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



14.4233, 7.2226, 10.3068



38.2602, 31.8784, 42.4358



7.3694, 3.1634, 29.0762



8.2018, 6.6066, 9.0153



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.



14.4233, 7.2226, 10.3068



25.3650, 12.7101, 17.7220



12.6642, 6.5190, 1.0434



5.9381, 5.8703, 6.7799



11.9781, 5.9963, 8.6316



0.1612, 0.0792, 0.1825



# Inverse Universe

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



14.4233, 7.2226, 10.3068



25.3650, 12.7101, 17.7220



15.2798, 23.5620, 26.6649



5.9381, 5.8703, 6.7799



11.9781, 5.9963, 8.6316



0.1612, 0.0792, 0.1825



# Previews

## White Background



This preview shows how the XYZ color 14.4231, 7.2222, 10.3067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

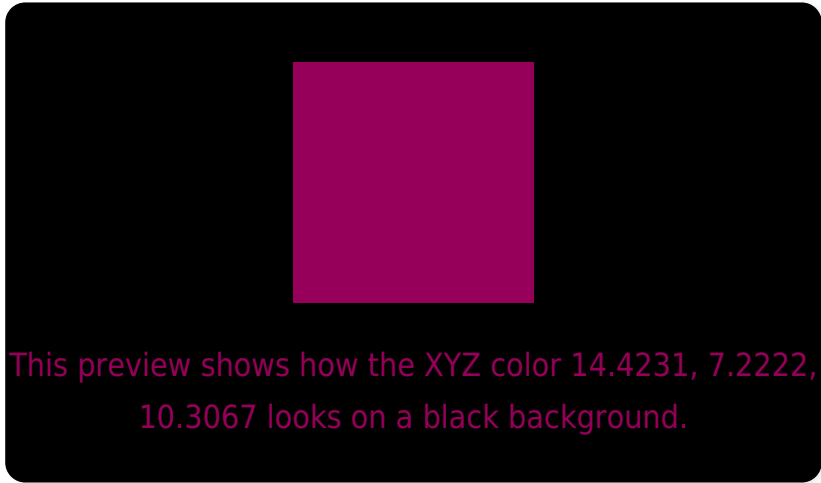
Any Text WCAG AA ✓ Pass

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 14.4231, 7.2222, 10.3067**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.4231, 7.2222, 10.3067.



This preview shows how white text looks on a background with the XYZ color 14.4231, 7.2222, 10.3067.



# 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

14.4231, 7.2222, 10.3067

### Protanopia

8.4905, 7.9636, 21.8585

### Deuteranopia

7.9615, 7.8636, 9.2818



## Tritanopia

12.9974, 7.5984, 2.5319

# Trichromacy



## Original Color

14.4231, 7.2222, 10.3067

## Protanomaly

8.6487, 5.7943, 16.8822

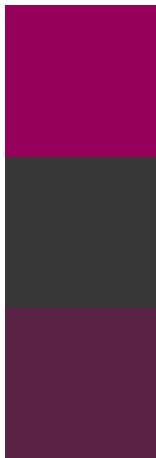
## Deuteranomaly

9.0847, 6.1197, 9.5065

## Tritanomaly

13.2329, 7.1942, 4.4325

# Monochromacy



## Original Color

14.4231, 7.2222, 10.3067

## Achromatopsia

3.6313, 3.8204, 4.1605

## Achromatomaly

5.8609, 3.7931, 5.8921

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.4231, 7.2222, 10.3067 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 90) }
```

## Border

The CSS property to change the border of an element to XYZ 14.4231, 7.2222, 10.3067 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, 90) }
```



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

```
.border{ border-color:rgb(150, 0, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(150, 0, 90)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 14.4231, 7.2222, 10.3067 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, 90) }
```

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

```
.background{ background-color: rgb(150, 0,  
90) }
```

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