

Converting Colors

XYZ(15.0451, 7.4806, 13.1491)

Have a look what the booklet for
XYZ(15.0451, 7.4806, 13.1491)
contains.

XYZ(14.9760, 7.4433, 13.2178)	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(14.9760, 7.4433,
13.2178)**

Conversions

Conversions Part 1

Format	Color
Hex	960066
RGB	150, 0, 102
RGB Percent	59%, 0%, 40%
CMY	0.4118, 0.9999, 0.6000
CMYK	0.00, 1.00, 0.32, 0.41
HSL	319°, 100%, 29%
HSV	319°, 100%, 59%
XYZ	14.9760, 7.4433, 13.2178
YIQ	56.4780, 56.6580, 63.5220

Conversions

Conversions Part 2

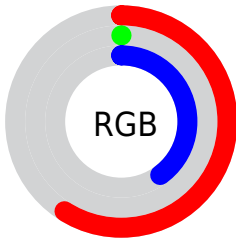
Format	Color
RYB	150, 0, 102
Decimal	9830502
CIELab	32.80, 59.73, -14.90
CIELCh	33, 61.562, 345.994
Yxy	7.4433, 0.4202, 0.2089
Android (android.graphics.Color)	4288020582 (0xFF960066)
YUV	56.4780, 22.4423, 82.0188
Hunter-Lab	27.2824, 50.2389, -9.6272

Details

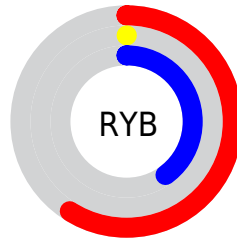
The XYZ color **14.9760, 7.4433, 13.2178** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.4404, 22.0265, 6.4464**, and the grayscale version is **3.7884, 3.9857, 4.3404**.

A 20% lighter version of the original color is **34.3466, 20.8787, 32.3567**, and **5.3057, 2.6555, 3.8474** is the 20% darker color. If you saturate the color by 10%, you get **14.9758, 7.4433, 13.2167**, and if you desaturate by 10%, it is **15.3922, 7.8835, 14.5655**.

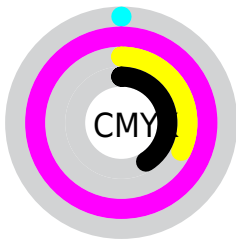
Distribution



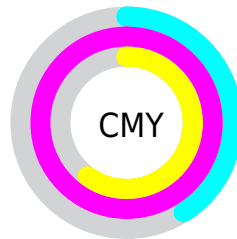
- Red (59%)
- Green (0%)
- Blue (40%)



- Red (59%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (41%)





- Cyan (41%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9760, 7.4433, 13.2178 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 14.9760, 7.4433, 13.2178 by changing the saturation by 10% instead.


 14.9760, 7.4433,
13.2178


 14.9760, 7.4433,
13.2178


216.6122,
171.2980, 223.5655


 8.8887, 3.7409,
7.4462


 34.3831, 20.8596,
32.3914


 4.7252, 1.5297,
3.6600

 48.4336, 31.3423,
46.6305

 2.1200, 0.3095,
1.4408

 65.8693, 44.8538,
64.5292

 0.7001, 0.0000,
0.1732

 87.0554, 61.7785,
86.5061

 0.0000, 0.0000,
0.0000

 112.3575, 82.5009,
112.9796

 142.1407,

107.4054, 144.3683

176.7705,
136.8763, 181.0907

14.9760, 7.4433,
13.2178

14.9760, 7.4433,
13.2178

14.9758, 7.4433,
13.2167

15.3922, 7.8835,
14.5655

15.9449, 8.5744,
16.0277

16.6925, 9.6323,
17.6252

17.6580, 11.1028,
19.3666

18.8609, 13.0247,
21.2595

■ 20.3186, 15.4323,
23.3107

■ 22.0467, 18.3566,
25.5264

■ 24.0595, 21.8260,
27.9123

■ 26.3705, 25.8668,
30.4738

Harmonies

Analogous

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



12.5496, 7.4433, 27.8128



14.9760, 7.4433, 13.2178



14.8842, 7.4433, 4.1242

Triad

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



14.9760, 7.4433, 13.2178



5.4972, 7.4433, 0.0000



3.5770, 7.4433, 28.8181

Complementary

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



14.9760, 7.4433, 13.2178



11.4404, 22.0265, 6.4464

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.



2.6256, 7.4433, 14.0616



14.9760, 7.4433, 13.2178



3.4811, 7.4433, 0.9631

Square

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



14.9760, 7.4433, 13.2178



8.6871, 7.4433, 0.0000



2.5969, 7.4433, 4.5162



5.6752, 7.4433, 40.5236

Rectangle

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



14.9760, 7.4433, 13.2178



13.3850, 7.4433, 1.5005



2.5969, 7.4433, 4.5162



3.1448, 7.4433, 23.7018

Sweetspot

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



14.9762, 7.4437, 13.2179



38.7101, 32.0583, 44.8048



6.7012, 2.8189, 29.0453



8.3117, 6.6505, 9.5940



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.



14.9762, 7.4437, 13.2179



26.3465, 13.1028, 22.8907



12.7817, 6.5659, 1.6619



5.9571, 5.8779, 6.8804



12.4356, 6.1793, 11.0405



0.1657, 0.0810, 0.2061

Inverse Universe

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



14.9762, 7.4437, 13.2179



26.3465, 13.1028, 22.8907



14.4507, 23.2306, 22.2985



5.9571, 5.8779, 6.8804



12.4356, 6.1793, 11.0405



0.1657, 0.0810, 0.2061

Previews

White Background



This preview shows how the XYZ color 14.9760, 7.4433, 13.2178 looks on a white background.

Color Contrast Check

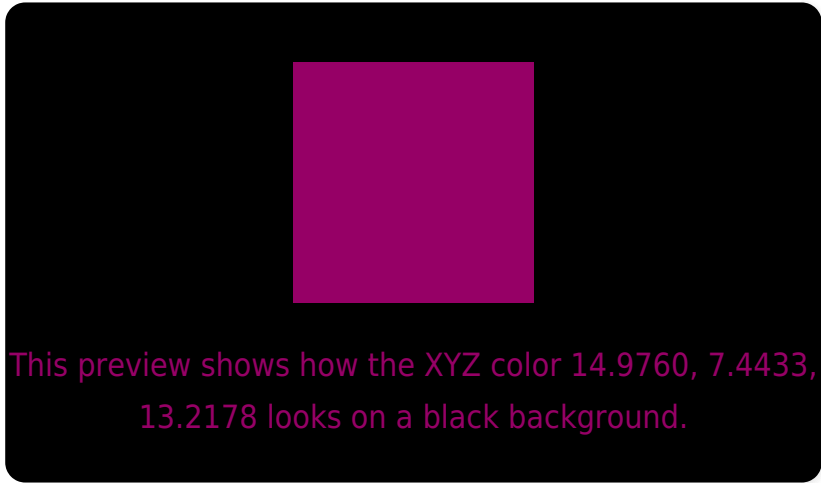
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9760, 7.4433, 13.2178

Background



This preview shows how black text looks on a background with the XYZ color 14.9760, 7.4433, 13.2178.



This preview shows how white text looks on a background with the XYZ color 14.9760, 7.4433,

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

14.9760, 7.4433, 13.2178

Protanopia

9.0850, 8.1284, 28.2842

Deuteranopia

8.1833, 8.0243, 11.9440



Tritanopia

13.0308, 7.7957, 3.0084

Trichromacy



Original Color

14.9760, 7.4433, 13.2178

Protanomaly

8.8260, 5.7777, 21.7691

Deuteranomaly

9.2891, 6.2272, 12.2677

Tritanomaly

13.3057, 7.2685, 5.5522

Monochromacy



Original Color

14.9760, 7.4433, 13.2178

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.0499, 3.9165, 6.7404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9760, 7.4433, 13.2178 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 102) }
```

Border

The CSS property to change the border of an element to XYZ 14.9760, 7.4433, 13.2178 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, 102) }
```


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

```
.border{ border-color:rgb(150, 0, 102) }
```

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, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(150, 0,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9760, 7.4433, 13.2178 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, 102) }
```

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

```
.background{ background-color: rgb(150, 0,  
102) }
```

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