

Converting Colors

XYZ(17.3990, 8.9272, 16.0201)

Have a look what the booklet for
XYZ(17.3990, 8.9272, 16.0201)
contains.

XYZ(17.4232, 8.9417, 16.1368)	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(17.4232, 8.9417,
16.1368)**

Conversions

Conversions Part 1

Format	Color
Hex	9F1170
RGB	159, 17, 112
RGB Percent	62%, 7%, 44%
CMY	0.3765, 0.9333, 0.5608
CMYK	0.00, 0.89, 0.30, 0.38
HSL	320°, 81%, 35%
HSV	320°, 89%, 62%
XYZ	17.4232, 8.9417, 16.1368
YIQ	70.2880, 54.1370, 59.6490

Conversions

Conversions Part 2

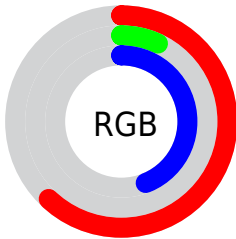
Format	Color
R_{YB}	159, 17, 112
Decimal	10424688
CIE _{Lab}	35.87, 60.45, -16.41
CIE _{LCh}	36, 62.633, 344.815
Yxy	8.9417, 0.4099, 0.2104
Android (android.graphics.Color)	4288614768 (0xFF9F1170)
YUV	70.2880, 20.5640, 77.8004
Hunter-Lab	29.9027, 51.6758, -11.0636

Details

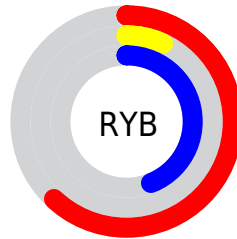
The XYZ color **17.4232, 8.9417, 16.1368** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **13.5555, 25.2861, 9.0190**, and the grayscale version is **5.8312, 6.1349, 6.6809**.

A 20% lighter version of the original color is **38.4864, 23.7727, 37.6821**, and **6.4049, 3.1949, 5.1296** is the 20% darker color. If you saturate the color by 10%, you get **16.9503, 8.4512, 14.5753**, and if you desaturate by 10%, it is **18.0661, 9.7445, 17.8396**.

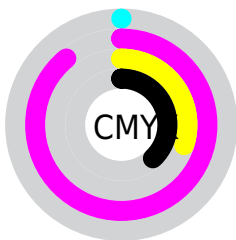
Distribution



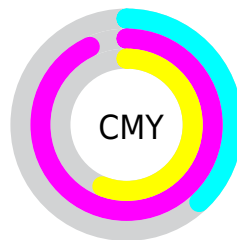
- Red (62%)
- Green (7%)
- Blue (44%)



- Red (62%)
- Yellow (7%)
- Blue (44%)



- Cyan (0%)
- Magenta (89%)
- Yellow (30%)
- Black (38%)




- Cyan (38%)
- Magenta (93%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4232, 8.9417, 16.1368 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 17.4232, 8.9417, 16.1368 by changing the saturation by 10% instead.


 17.4232, 8.9417,
16.1368


 17.4232, 8.9417,
16.1368


230.7085,
182.9424, 242.0208


 10.6338, 4.7032,
9.4656


 38.5898, 23.7849,
37.6056


 5.8867, 2.0742,
4.9452

 53.6978, 35.1584,
53.2403


 2.8163, 0.6500,
2.1569

 72.3094, 49.6790,
72.7000

 1.0574, 0.0000,
0.6494

 94.7899, 67.7311,
96.4031

 0.0000, 0.0000,
0.0000

 121.5047, 89.6991,
124.7681

 152.8192,

115.9674, 158.2138

189.0986,
146.9203, 197.1585

■ 17.4232, 8.9417,
16.1368

■ 17.4232, 8.9417,
16.1368

■ 16.9503, 8.4512,
14.5753

■ 18.0661, 9.7445,
17.8396

■ 16.9189, 8.4193,
14.4695

■ 18.9343, 10.9704,
19.7034

■ 20.0546, 12.6719,
21.7386

■ 21.4494, 14.8937,
23.9538

■ 23.1386, 17.6752,
26.3571

■ 25.1402, 21.0519,
28.9558

■ 27.4708, 25.0566,
31.7566

■ 30.1456, 29.7194,
34.7658

■ 33.1791, 35.0686,
37.9894

Harmonies

Analogous

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



14.5922, 8.9417, 32.6491



17.4232, 8.9417, 16.1368



17.4425, 8.9417, 5.3863

Triad

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



17.4232, 8.9417, 16.1368



6.8002, 8.9417, 0.0907



4.3723, 8.9417, 32.4404

Complementary

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



17.4232, 8.9417, 16.1368



13.5555, 25.2861, 9.0190

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.



3.2951, 8.9417, 15.9589



17.4232, 8.9417, 16.1368



4.3933, 8.9417, 1.2405

Square

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



17.4232, 8.9417, 16.1368



10.5103, 8.9417, 0.0980



3.3014, 8.9417, 5.3009



6.7619, 8.9417, 45.8251

Rectangle

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



17.4232, 8.9417, 16.1368



15.8146, 8.9417, 2.1047



3.3014, 8.9417, 5.3009



3.8802, 8.9417, 26.7062

Sweetspot

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



17.4235, 8.9422, 16.1370



45.7248, 38.8983, 52.7257



8.4439, 3.9280, 33.1142



10.0291, 8.2933, 11.5388



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.4235, 8.9422, 16.1370



30.2069, 15.0408, 25.4232



14.9357, 7.9471, 3.0366



6.8107, 6.7172, 7.8543



13.3828, 6.6577, 11.5329



0.2580, 0.1265, 0.3047

Inverse Universe

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



17.4235, 8.9422, 16.1370



30.2069, 15.0408, 25.4232



16.8612, 26.6084, 26.4266



6.8107, 6.7172, 7.8543



13.3828, 6.6577, 11.5329



0.2580, 0.1265, 0.3047

Previews

White Background



This preview shows how the XYZ color 17.4232, 8.9417, 16.1368 looks on a white background.

Color Contrast Check

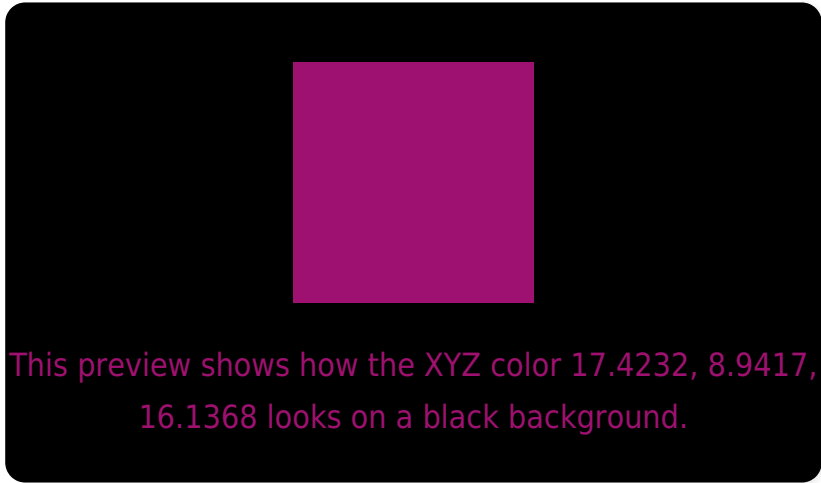
Large Text (above 18pt) WCAG AA ✓ Pass

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

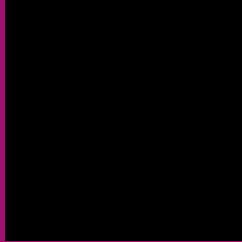
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.4232, 8.9417, 16.1368

Background



This preview shows how black text looks on a background with the XYZ color 17.4232, 8.9417, 16.1368.



This preview shows how white text looks on a background with the XYZ color 17.4232, 8.9417,

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

17.4232, 8.9417, 16.1368

Protanopia

10.5715, 9.4531, 33.1657

Deuteranopia

9.4664, 9.2919, 14.6592



Tritanopia

14.8369, 9.0374, 3.7587

Trichromacy



Original Color

17.4232, 8.9417, 16.1368

Protanomaly

10.6400, 7.3285, 26.0530

Deuteranomaly

11.0047, 7.7592, 15.1050

Tritanomaly

15.4487, 8.7249, 6.8311

Monochromacy



Original Color

17.4232, 8.9417, 16.1368

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

8.3030, 5.8483, 9.2855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4232, 8.9417, 16.1368 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(159, 17, 112)` looks like.

```
.text, #text, p{  
    color:rgb(159, 17, 112)  
}
```

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(159, 17, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 17, 112) }
```

Border

The CSS property to change the border of an element to XYZ 17.4232, 8.9417, 16.1368 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(159, 17, 112) }
```


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

```
.border{ border-color:rgb(159, 17, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 17, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 17, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 17, 112);  
box-shadow:4px 4px 4px 4px rgb(159, 17,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4232, 8.9417, 16.1368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 17, 112) }
```

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

```
.background{ background-color: rgb(159, 17,  
112) }
```

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