

Converting Colors

XYZ(16.9959, 9.3810, 12.8710)

Have a look what the booklet for
XYZ(16.9959, 9.3810, 12.8710)
contains.

XYZ(17.0018, 9.3913, 12.9732)	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(17.0018, 9.3913,
12.9732)**

Conversions

Conversions Part 1

Format	Color
Hex	9E2364
RGB	158, 35, 100
RGB Percent	62%, 14%, 39%
CMY	0.3804, 0.8627, 0.6078
CMYK	0.00, 0.78, 0.37, 0.38
HSL	328°, 64%, 38%
HSV	328°, 78%, 62%
XYZ	17.0018, 9.3913, 12.9732
YIQ	79.1870, 52.4430, 46.2910

Conversions

Conversions Part 2

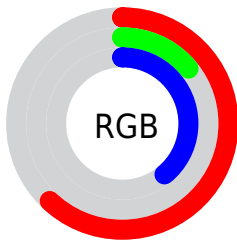
Format	Color
R_{YB}	158, 35, 100
Decimal	10363748
CIE _{Lab}	36.73, 54.45, -7.51
CIE _{LCh}	37, 54.966, 352.152
Yxy	9.3913, 0.4319, 0.2386
Android (android.graphics.Color)	4288553828 (0xFF9E2364)
YUV	79.1870, 10.2608, 69.1190
Hunter-Lab	30.6452, 45.4016, -3.6479

Details

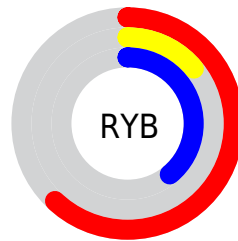
The XYZ color **17.0018, 9.3913, 12.9732** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **14.8965, 25.6016, 14.5145**, and the grayscale version is **7.4424, 7.8300, 8.5269**.

A 20% lighter version of the original color is **37.8192, 24.6620, 32.0451**, and **6.1221, 3.0818, 3.6403** is the 20% darker color. If you saturate the color by 10%, you get **16.2928, 8.5243, 11.0382**, and if you desaturate by 10%, it is **17.9537, 10.6912, 15.1521**.

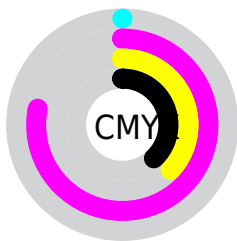
Distribution



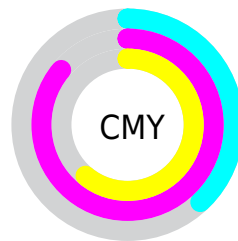
- Red (62%)
- Green (14%)
- Blue (39%)



- Red (62%)
- Yellow (14%)
- Blue (39%)



- Cyan (0%)
- Magenta (78%)
- Yellow (37%)
- Black (38%)



- Cyan (38%)
- Magenta (86%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.0018, 9.3913, 12.9732 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 17.0018, 9.3913, 12.9732 by changing the saturation by 10% instead.


 17.0018, 9.3913,
12.9732


 17.0018, 9.3913,
12.9732


228.3388,
186.2707, 221.9476

 10.3311, 4.9973,
7.2796


 37.8724, 24.6441,
31.9461

 5.6830, 2.2457,
3.5565

 52.8031, 36.2717,
46.0625


 2.6921, 0.7447,
1.3853

 71.2177, 51.0793,
63.8235

 0.9931, 0.0000,
0.1302

 93.4818, 69.4513,
85.6478

 0.0000, 0.0000,
0.0000

 119.9605, 91.7720,
111.9538

 151.0194,

118.4259, 143.1600

187.0237,
149.7973, 179.6852

■ 17.0018, 9.3913,
12.9732

■ 17.0018, 9.3913,
12.9732

■ 16.2928, 8.5243,
11.0382

■ 17.9537, 10.6912,
15.1521

■ 15.7811, 8.0005,
9.3273

■ 19.1734, 12.4727,
17.5871

■ 15.6808, 7.9012,
8.9819

■ 20.6835, 14.7795,
20.2899

■ 22.5039, 17.6502,
23.2709

■ 24.6526, 21.1193,
26.5400

■ 27.1460, 25.2190,
30.1063

■ 29.9996, 29.9788,
33.9785

■ 33.2279, 35.4265,
38.1648

■ 36.8445, 41.5884,
42.6731

Harmonies

Analogous

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



15.0790, 9.3913, 26.3503



17.0018, 9.3913, 12.9732



16.3685, 9.3913, 4.7051

Triad

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



17.0018, 9.3913, 12.9732



6.7001, 9.3913, 0.8679



5.5129, 9.3913, 32.9772

Complementary

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



17.0018, 9.3913, 12.9732



14.8965, 25.6016, 14.5145

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.



4.1711, 9.3913, 18.9348



17.0018, 9.3913, 12.9732



4.7266, 9.3913, 2.5449

Square

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



17.0018, 9.3913, 12.9732



9.8401, 9.3913, 0.6202



3.9248, 9.3913, 7.8961



8.0707, 9.3913, 41.8027

Rectangle

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



17.0018, 9.3913, 12.9732



14.6400, 9.3913, 2.1457



3.9248, 9.3913, 7.8961



4.9342, 9.3913, 28.4068

Sweetspot

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



17.0021, 9.3918, 12.9734



46.6793, 41.4788, 50.9741



11.2271, 5.9675, 32.9077



10.1852, 8.7967, 11.0011



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.



17.0021, 9.3918, 12.9734



28.9201, 14.7873, 17.8419



15.0698, 8.6189, 2.7983



6.7721, 6.7018, 7.6512



12.5789, 6.3361, 7.2992



0.2462, 0.1218, 0.2427

Inverse Universe

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



17.0021, 9.3918, 12.9734



28.9201, 14.7873, 17.8419



18.7447, 27.1409, 34.7790



6.7721, 6.7018, 7.6512



12.5789, 6.3361, 7.2992



0.2462, 0.1218, 0.2427

Previews

White Background



This preview shows how the XYZ color 17.0018, 9.3913, 12.9732 looks on a white background.

Color Contrast Check

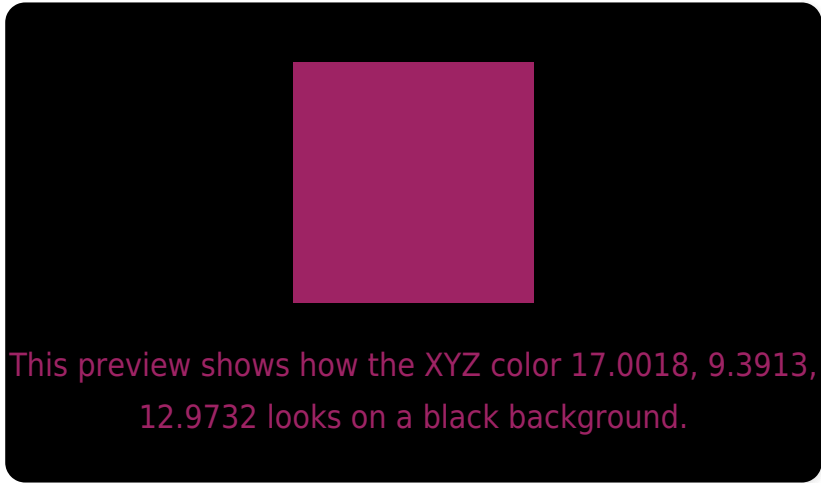
Large Text (above 18pt) WCAG AA ✓ Pass

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

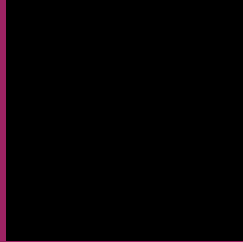
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0018, 9.3913, 12.9732

Background



This preview shows how black text looks on a background with the XYZ color 17.0018, 9.3913, 12.9732.



This preview shows how white text looks on a background with the XYZ color 17.0018, 9.3913,

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

17.0018, 9.3913, 12.9732

Protanopia

10.2294, 9.7164, 23.8906

Deuteranopia

9.7831, 9.6323, 11.9333



Tritanopia

15.2780, 9.4977, 4.2768

Trichromacy



Original Color

17.0018, 9.3913, 12.9732

Protanomaly

11.1135, 8.3030, 19.4292

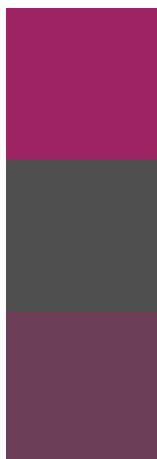
Deuteranomaly

11.4546, 8.6407, 12.1304

Tritanomaly

15.7229, 9.3744, 6.6110

Monochromacy



Original Color

17.0018, 9.3913, 12.9732

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

9.6821, 7.4313, 9.9409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0018, 9.3913, 12.9732 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(158, 35, 100)` looks like.

```
.text, #text, p{  
    color:rgb(158, 35, 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(158, 35, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 35, 100) }
```

Border

The CSS property to change the border of an element to XYZ 17.0018, 9.3913, 12.9732 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(158, 35, 100) }
```


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

```
.border{ border-color:rgb(158, 35, 100) }
```

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

Here you see how a box with a 4 pixel rgb(158, 35, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 35, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 35, 100);  
box-shadow:4px 4px 4px 4px rgb(158, 35,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0018, 9.3913, 12.9732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 35, 100) }
```

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

```
.background{ background-color: rgb(158, 35,  
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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