

Converting Colors

XYZ(17.8547, 9.7201, 17.5942)

Have a look what the booklet for
XYZ(17.8547, 9.7201, 17.5942)
contains.

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Color

**XYZ(17.8540, 9.7321,
17.4605)**

Conversions

Conversions Part 1

Format	Color
Hex	9E2374
RGB	158, 35, 116
RGB Percent	62%, 14%, 45%
CMY	0.3804, 0.8627, 0.5451
CMYK	0.00, 0.78, 0.27, 0.38
HSL	320°, 64%, 38%
HSV	320°, 78%, 62%
XYZ	17.8540, 9.7321, 17.4605
YIQ	81.0110, 47.3070, 51.2670

Conversions

Conversions Part 2

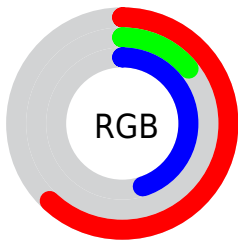
Format	Color
R_{YB}	158, 35, 116
Decimal	10363764
CIE _{Lab}	37.36, 56.37, -16.66
CIE _{LCh}	37, 58.777, 343.531
Yxy	9.7321, 0.3963, 0.2160
Android (android.graphics.Color)	4288553844 (0xFF9E2374)
YUV	81.0110, 17.2496, 67.5194
Hunter-Lab	31.1963, 47.5640, -11.3470

Details

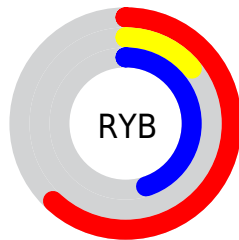
The XYZ color **17.8540, 9.7321, 17.4605** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.2602, 25.3473, 11.1635**, and the grayscale version is **7.7844, 8.1898, 8.9187**.

A 20% lighter version of the original color is **39.3011, 25.2548, 39.8491**, and **6.5229, 3.2421, 5.7508** is the 20% darker color. If you saturate the color by 10%, you get **17.1846, 8.8810, 15.7336**, and if you desaturate by 10%, it is **18.7516, 11.0102, 19.3536**.

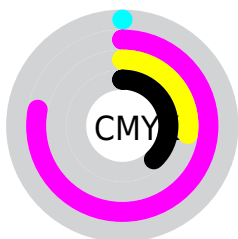
Distribution



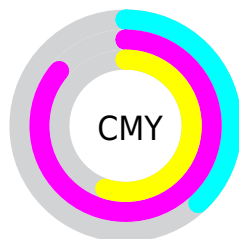
- Red (62%)
- Green (14%)
- Blue (45%)



- Red (62%)
- Yellow (14%)
- Blue (45%)



- Cyan (0%)
- Magenta (78%)
- Yellow (27%)
- Black (38%)




- Cyan (38%)
- Magenta (86%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8540, 9.7321, 17.4605 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 17.8540, 9.7321, 17.4605 by changing the saturation by 10% instead.


 17.8540, 9.7321,
17.4605


 17.8540, 9.7321,
17.4605


233.1084,
188.7492, 249.9455

 10.9443, 5.2217,
10.3979


 39.3204, 25.2904,
39.9173


 6.0964, 2.3779,
5.5546


 54.6078, 37.1070,
56.1486


 2.9450, 0.8145,
2.5118

 73.4185, 52.1279,
76.2733

 1.1247, 0.0000,
0.8464

 96.1178, 70.7374,
100.7098

 0.0457, 0.0000,
0.0000

 123.0711, 93.3199,
129.8767

 0.0000, 0.0000,
0.0000

 154.6437,

120.2597, 164.1926

191.2010,
151.9414, 204.0760

■ 17.8540, 9.7321,
17.4605

■ 17.8540, 9.7321,
17.4605

■ 17.1846, 8.8810,
15.7336

■ 18.7516, 11.0102,
19.3536

■ 16.6982, 8.3674,
14.1561

■ 19.9017, 12.7638,
21.4222

■ 16.6017, 8.2696,
13.8301

■ 21.3264, 15.0364,
23.6752

■ 23.0450, 17.8663,
26.1204

■ 25.0751, 21.2880,
28.7651

■ 27.4326, 25.3332,
31.6160

■ 30.1326, 30.0316,
34.6794

■ 33.1892, 35.4105,
37.9612

■ 36.6154, 41.4962,
41.4672

Harmonies

Analogous

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



15.0449, 9.7321, 33.1960



17.8540, 9.7321, 17.4605



18.0003, 9.7321, 6.5194

Triad

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



17.8540, 9.7321, 17.4605



7.6880, 9.7321, 0.5078



5.0022, 9.7321, 31.6444

Complementary

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



17.8540, 9.7321, 17.4605



14.2602, 25.3473, 11.1635

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.



3.9263, 9.7321, 16.0946



17.8540, 9.7321, 17.4605



5.1748, 9.7321, 1.6390

Square

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



17.8540, 9.7321, 17.4605



11.4098, 9.7321, 0.5624



3.9797, 9.7321, 5.8186



7.3817, 9.7321, 44.4452

Rectangle

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



17.8540, 9.7321, 17.4605



16.5106, 9.7321, 2.8710



3.9797, 9.7321, 5.8186



4.5083, 9.7321, 26.2416

Sweetspot

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



17.8543, 9.7326, 17.4607



47.3423, 41.7439, 54.4652



9.7537, 5.2078, 32.8391



10.3531, 8.8639, 11.8856



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.



17.8543, 9.7326, 17.4607



30.5741, 15.4489, 26.5518



15.4037, 8.7524, 4.5559



6.8078, 6.7160, 7.8391



13.3151, 6.6306, 11.1762



0.2571, 0.1262, 0.3001

Inverse Universe

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



17.8543, 9.7326, 17.4607



30.5741, 15.4489, 26.5518



17.4718, 26.6319, 28.0756



6.8078, 6.7160, 7.8391



13.3151, 6.6306, 11.1762



0.2571, 0.1262, 0.3001

Previews

White Background



This preview shows how the XYZ color 17.8540, 9.7321, 17.4605 looks on a white background.

Color Contrast Check

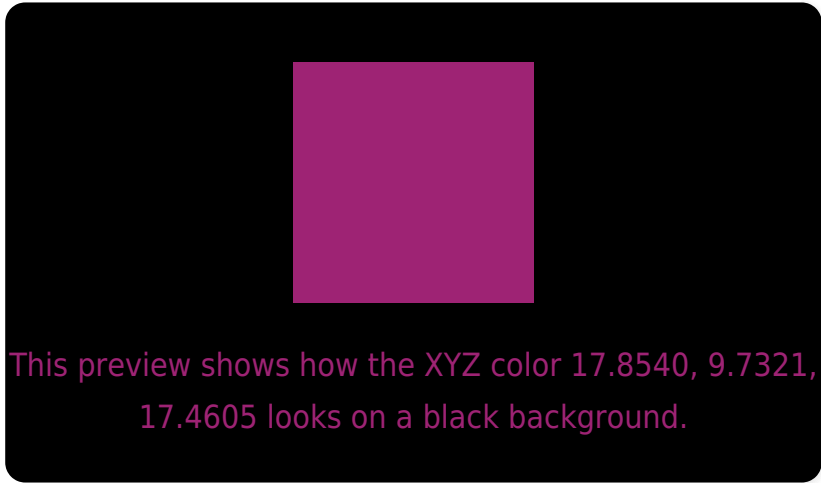
Large Text (above 18pt) WCAG AA ✓ Pass

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

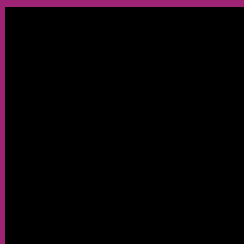
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8540, 9.7321, 17.4605

Background



This preview shows how black text looks on a background with the XYZ color 17.8540, 9.7321, 17.4605.



This preview shows how white text looks on a background with the XYZ color 17.8540, 9.7321,

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

17.8540, 9.7321, 17.4605

Protanopia

11.1282, 10.1128, 32.3758

Deuteranopia

10.1930, 9.9952, 15.8600



Tritanopia

15.2198, 9.7161, 5.0762

Trichromacy



Original Color

17.8540, 9.7321, 17.4605

Protanomaly

11.5942, 8.4902, 26.2270

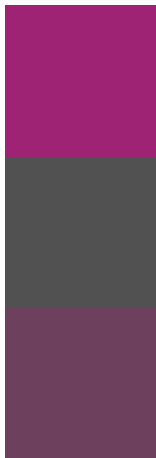
Deuteranomaly

11.8018, 8.8148, 16.4086

Tritanomaly

15.9454, 9.5661, 8.4032

Monochromacy



Original Color

17.8540, 9.7321, 17.4605

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.1605, 7.7262, 11.5455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8540, 9.7321, 17.4605 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(158, 35, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 35, 116) }
```

Border

The CSS property to change the border of an element to XYZ 17.8540, 9.7321, 17.4605 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, 116) }
```


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

```
.border{ border-color:rgb(158, 35, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 35, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 35, 116);  
box-shadow:4px 4px 4px 4px rgb(158, 35,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8540, 9.7321, 17.4605 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, 116) }
```

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

```
.background{ background-color: rgb(158, 35,  
116) }
```

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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