

Converting Colors

XYZ(14.8753, 7.6018, 3.7090)

Have a look what the booklet for
XYZ(14.8753, 7.6018, 3.7090)
contains.

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Color

**XYZ(14.8738, 7.6012,
3.7009)**

Conversions

Conversions Part 1

Format	Color
Hex	9F0032
RGB	159, 0, 50
RGB Percent	62%, 0%, 20%
CMY	0.3765, 0.9999, 0.8039
CMYK	0.00, 1.00, 0.69, 0.38
HSL	341°, 100%, 31%
HSV	341°, 100%, 62%
XYZ	14.8738, 7.6012, 3.7009
YIQ	53.2410, 78.7140, 49.2580

Conversions

Conversions Part 2

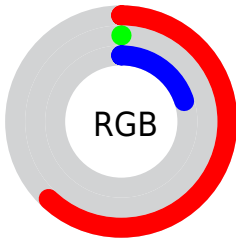
Format	Color
RYB	159, 0, 50
Decimal	10420274
CIELab	33.14, 57.64, 19.94
CIELCh	33, 60.989, 19.079
Yxy	7.6012, 0.5682, 0.2904
Android (android.graphics.Color)	4288610354 (0xFF9F0032)
YUV	53.2410, -1.5978, 92.7506
Hunter-Lab	27.5703, 48.0504, 11.3404

Details

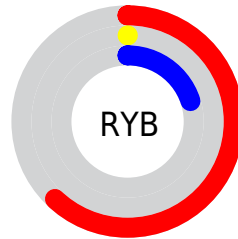
The XYZ color **14.8738, 7.6012, 3.7009** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.1598, 25.9009, 18.6745**, and the grayscale version is **3.4098, 3.5874, 3.9067**.

A 20% lighter version of the original color is **34.1426, 21.0923, 13.3380**, and **5.2829, 2.7203, 0.3902** is the 20% darker color. If you saturate the color by 10%, you get **14.8734, 7.6010, 3.6991**, and if you desaturate by 10%, it is **15.3218, 8.0751, 5.1522**.

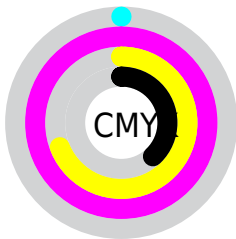
Distribution



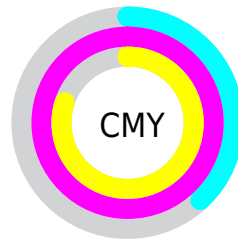
- Red (62%)
- Green (0%)
- Blue (20%)



- Red (62%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (38%)




- Cyan (38%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.8738, 7.6012, 3.7009 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 14.8738, 7.6012, 3.7009 by changing the saturation by 10% instead.


 14.8738, 7.6012,
3.7009


 14.8738, 7.6012,
3.7009


216.0046,
172.5697, 144.8405


 8.8166, 3.8408,
1.4627


 34.2051, 21.1728,
13.3139


 4.6779, 1.5849,
0.1899

 48.2099, 31.7529,
21.5257


 2.0923, 0.3474,
0.0000

 65.5947, 45.3750,
32.5659

 0.6850, 0.0000,
0.0000

 86.7247, 62.4235,
46.8530

 0.0000, 0.0000,
0.0000

 111.9654, 83.2829,
64.8054

 141.6820,

108.3374, 86.8418

176.2400,
137.9716, 113.3806

14.8738, 7.6012,
3.7009

14.8738, 7.6012,
3.7009

14.8734, 7.6010,
3.6991

15.3218, 8.0751,
5.1522

15.9730, 8.8597,
6.9656

16.8936, 10.0822,
9.1797

18.1129, 11.7964,
11.8196

19.6564, 14.0484,
14.9080

■ 21.5465, 16.8789,
18.4658

■ 23.8037, 20.3247,
22.5125

■ 26.4467, 24.4194,
27.0664

■ 29.4932, 29.1943,
32.1448

Harmonies

Analogous

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



15.2488, 7.6012, 12.1458



14.8738, 7.6012, 3.7009



12.1324, 7.6012, 0.7726

Triad

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



14.8738, 7.6012, 3.7009



3.4605, 7.6012, 1.2215



6.1056, 7.6012, 41.1552

Complementary

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



14.8738, 7.6012, 3.7009



15.1598, 25.9009, 18.6745

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.



3.8592, 7.6012, 30.4609



14.8738, 7.6012, 3.7009



2.6660, 7.6012, 5.3308

Square

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



14.8738, 7.6012, 3.7009



5.3707, 7.6012, 0.0000



2.7859, 7.6012, 15.6014



9.4628, 7.6012, 39.2677

Rectangle

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



14.8738, 7.6012, 3.7009



9.6904, 7.6012, 0.0116



2.7859, 7.6012, 15.6014



5.2174, 7.6012, 38.7151

Sweetspot

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



14.8740, 7.6017, 3.7010



42.3754, 36.0076, 39.8695



12.5228, 5.7332, 33.2473



9.1769, 7.5407, 8.3203



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.



14.8740, 7.6017, 3.7010



26.5588, 13.5816, 6.2126



14.7416, 8.2580, 0.8176



6.7147, 6.6788, 7.3487



11.7647, 6.0104, 3.0118



0.2283, 0.1146, 0.1482

Inverse Universe

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



14.8740, 7.6017, 3.7010



26.5588, 13.5816, 6.2126



14.2215, 18.4297, 35.6084



6.7147, 6.6788, 7.3487



11.7647, 6.0104, 3.0118



0.2283, 0.1146, 0.1482

Previews

White Background



This preview shows how the XYZ color 14.8738, 7.6012, 3.7009 looks on a white background.

Color Contrast Check

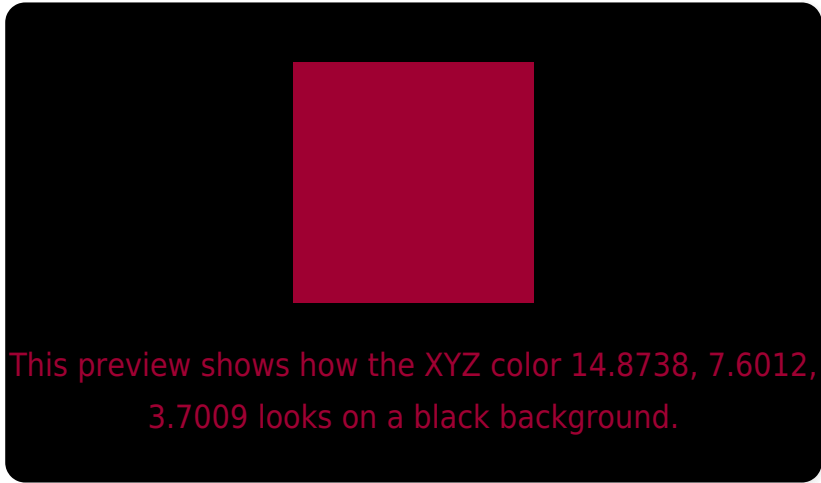
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8738, 7.6012, 3.7009

Background



This preview shows how black text looks on a background with the XYZ color 14.8738, 7.6012, 3.7009.



This preview shows how white text looks on a background with the XYZ color 14.8738, 7.6012,

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

14.8738, 7.6012, 3.7009

Protanopia

7.8346, 8.2641, 7.6608

Deuteranopia

8.2355, 8.1348, 3.4216



Tritanopia

14.4519, 7.8099, 1.2761

Trichromacy



Original Color

14.8738, 7.6012, 3.7009

Protanomaly

8.7377, 6.2171, 5.7405

Deuteranomaly

9.4766, 6.4588, 3.3320

Tritanomaly

14.4662, 7.6457, 1.8757

Monochromacy



Original Color

14.8738, 7.6012, 3.7009

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.6055, 3.6673, 3.6612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8738, 7.6012, 3.7009 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, 0, 50)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 50)  
}
```

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, 0, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 50) }
```

Border

The CSS property to change the border of an element to XYZ 14.8738, 7.6012, 3.7009 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, 0, 50) }
```


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

```
.border{ border-color:rgb(159, 0, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 0, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(159, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8738, 7.6012, 3.7009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 50) }
```

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

```
.background{ background-color: rgb(159, 0,  
50) }
```

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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