

Converting Colors

XYZ(14.7476, 7.5302, 3.9648)

Have a look what the booklet for
XYZ(14.7476, 7.5302, 3.9648)
contains.

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Color

**XYZ(14.7204, 7.5170,
3.9239)**

Conversions

Conversions Part 1

Format	Color
Hex	9E0034
RGB	158, 0, 52
RGB Percent	62%, 0%, 20%
CMY	0.3804, 0.9999, 0.7961
CMYK	0.00, 1.00, 0.67, 0.38
HSL	340°, 100%, 31%
HSV	340°, 100%, 62%
XYZ	14.7204, 7.5170, 3.9239
YIQ	53.1700, 77.4760, 49.6680

Conversions

Conversions Part 2

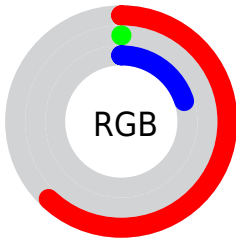
Format	Color
R_YB	158, 0, 52
Decimal	10354740
CIE Lab	32.96, 57.49, 18.35
CIE LCh	33, 60.351, 17.697
Yxy	7.5170, 0.5627, 0.2873
Android (android.graphics.Color)	4288544820 (0xFF9E0034)
YUV	53.1700, -0.5768, 91.9359
Hunter-Lab	27.4171, 47.8575, 10.7065

Details

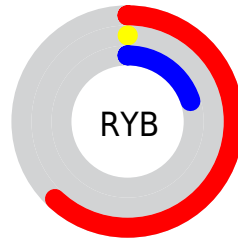
The XYZ color **14.7204, 7.5170, 3.9239** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.8297, 25.4948, 17.7806**, and the grayscale version is **3.4000, 3.5770, 3.8954**.

A 20% lighter version of the original color is **33.9341, 20.9741, 13.8151**, and **5.1894, 2.6702, 0.4716** is the 20% darker color. If you saturate the color by 10%, you get **14.7200, 7.5169, 3.9223**, and if you desaturate by 10%, it is **15.1693, 7.9888, 5.3870**.

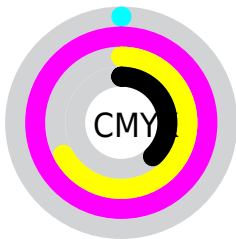
Distribution



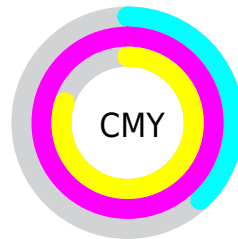
- Red (62%)
- Green (0%)
- Blue (20%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (38%)



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.7204, 7.5170, 3.9239 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 14.7204, 7.5170, 3.9239 by changing the saturation by 10% instead.


 14.7204, 7.5170,
3.9239


 14.7204, 7.5170,
3.9239


215.0897,
171.8930, 147.3757


 8.7084, 3.7875,
1.5837


 33.9376, 21.0060,
13.8339


 4.6071, 1.5554,
0.2791

 47.8736, 31.5342,
22.2407


 2.0510, 0.3273,
0.0000

 65.1816, 45.0975,
33.5068

 0.6624, 0.0000,
0.0000

 86.2270, 62.0802,
48.0508

 0.0000, 0.0000,
0.0000

 111.3752, 82.8667,
66.2911

 140.9914,

107.8414, 88.6464

175.4411,
137.3887, 115.5350

14.7204, 7.5170,
3.9239

14.7204, 7.5170,
3.9239

14.7200, 7.5169,
3.9223

15.1693, 7.9888,
5.3870

15.8162, 8.7655,
7.1970

16.7265, 9.9730,
9.3908

17.9289, 11.6641,
11.9918

19.4482, 13.8841,
15.0214

■ 21.3062, 16.6731,
18.4991

■ 23.5231, 20.0671,
22.4433

■ 26.1171, 24.0993,
26.8711

■ 29.1053, 28.8004,
31.7988

Harmonies

Analogous

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



14.9635, 7.5170, 12.5246



14.7204, 7.5170, 3.9239



12.1157, 7.5170, 0.8520

Triad

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



14.7204, 7.5170, 3.9239



3.5023, 7.5170, 1.1427



5.9164, 7.5170, 40.1105

Complementary

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



14.7204, 7.5170, 3.9239



14.8297, 25.4948, 17.7806

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.



3.7620, 7.5170, 29.2456



14.7204, 7.5170, 3.9239



2.6731, 7.5170, 4.9848

Square

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



14.7204, 7.5170, 3.9239



5.4386, 7.5170, 0.0000



2.7514, 7.5170, 14.7654



9.1748, 7.5170, 38.8895

Rectangle

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



14.7204, 7.5170, 3.9239



9.7327, 7.5170, 0.0689



2.7514, 7.5170, 14.7654



5.0616, 7.5170, 37.5413

Sweetspot

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



14.7206, 7.5175, 3.9240



42.4578, 36.0405, 40.3033



12.0375, 5.4930, 32.7735



9.1970, 7.5488, 8.4261



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.



14.7206, 7.5175, 3.9240



26.6488, 13.6175, 6.6864



14.4778, 8.0235, 0.7862



6.7186, 6.6803, 7.3691



11.8059, 6.0269, 3.2288



0.2295, 0.1151, 0.1547

Inverse Universe

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



14.7206, 7.5175, 3.9240



26.6488, 13.6175, 6.6864



14.3784, 18.8819, 35.2344



6.7186, 6.6803, 7.3691



11.8059, 6.0269, 3.2288



0.2295, 0.1151, 0.1547

Previews

White Background



This preview shows how the XYZ color 14.7204, 7.5170, 3.9239 looks on a white background.

Color Contrast Check

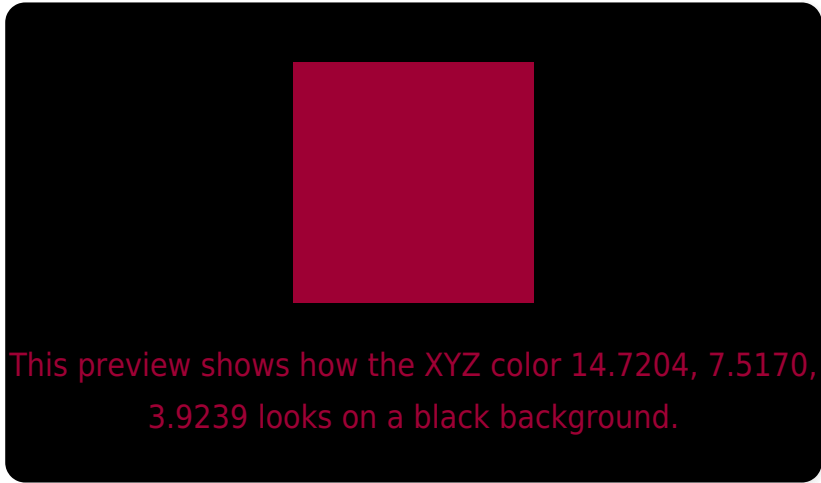
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7204, 7.5170, 3.9239

Background



This preview shows how black text looks on a background with the XYZ color 14.7204, 7.5170, 3.9239.



This preview shows how white text looks on a background with the XYZ color 14.7204, 7.5170,

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

14.7204, 7.5170, 3.9239

Protanopia

7.7755, 8.1121, 8.1772

Deuteranopia

8.2731, 8.1499, 3.6197



Tritanopia

14.2820, 7.7481, 1.3151

Trichromacy



Original Color

14.7204, 7.5170, 3.9239

Protanomaly

8.6576, 6.1000, 6.1900

Deuteranomaly

9.3775, 6.4031, 3.5380

Tritanomaly

14.2829, 7.5497, 1.9327

Monochromacy



Original Color

14.7204, 7.5170, 3.9239

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.5290, 3.6252, 3.7765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7204, 7.5170, 3.9239 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, 0, 52)` looks like.

```
.text, #text, p{  
  color:rgb(158, 0, 52)  
}
```

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, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 52) }
```

Border

The CSS property to change the border of an element to XYZ 14.7204, 7.5170, 3.9239 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, 0, 52) }
```


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

```
.border{ border-color:rgb(158, 0, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 0, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(158, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.7204, 7.5170, 3.9239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 52) }
```

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

```
.background{ background-color: rgb(158, 0,  
52) }
```

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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