

Converting Colors

XYZ(12.9516, 3.4809, 2.4657)

Have a look what the booklet for
XYZ(12.9516, 3.4809, 2.4657)
contains.

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Color

**XYZ(14.9709, 7.6630,
3.1727)**

Conversions

Conversions Part 1

Format	Color
Hex	A0002D
RGB	160, 0, 45
RGB Percent	63%, 0%, 18%
CMY	0.3725, 0.9999, 0.8235
CMYK	0.00, 1.00, 0.72, 0.37
HSL	343°, 100%, 31%
HSV	343°, 100%, 63%
XYZ	14.9709, 7.6630, 3.1727
YIQ	52.9700, 80.9150, 47.9150

Conversions

Conversions Part 2

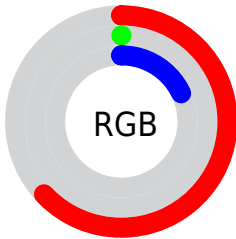
Format	Color
R _Y B	160, 0, 45
Decimal	10485805
CIE Lab	33.27, 57.65, 23.41
CIE LCh	33, 62.222, 22.096
Yxy	7.6630, 0.5801, 0.2969
Android (android.graphics.Color)	4288675885 (0xFFA0002D)
YUV	52.9700, -3.9292, 93.8653
Hunter-Lab	27.6821, 48.0917, 12.5821

Details

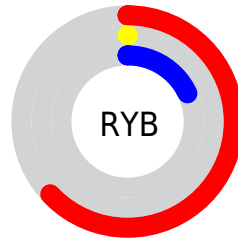
The XYZ color **14.9709, 7.6630, 3.1727** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.6667, 26.3800, 20.4918**, and the grayscale version is **3.3793, 3.5553, 3.8717**.

A 20% lighter version of the original color is **34.2487, 21.2792, 11.9751**, and **5.2555, 2.7093, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **14.9706, 7.6629, 3.1712**, and if you desaturate by 10%, it is **15.4089, 8.1352, 4.5642**.

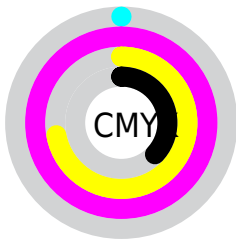
Distribution



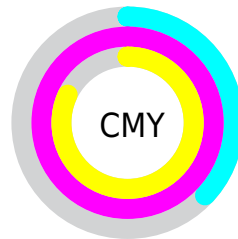
- Red (63%)
- Green (0%)
- Blue (18%)



- Red (63%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (37%)





- Cyan (37%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9709, 7.6630, 3.1727 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 14.9709, 7.6630, 3.1727 by changing the saturation by 10% instead.


 14.9709, 7.6630,
3.1727


 14.9709, 7.6630,
3.1727


216.5819,
173.0644, 138.5307


 8.8851, 3.8801,
1.1835


 34.3742, 21.2951,
12.0517


 4.7229, 1.6067,
0.0000

 48.4225, 31.9130,
19.7785


 2.1187, 0.3621,
0.0000

 65.8556, 45.5781,
30.2550

 0.6993, 0.0000,
0.0000


 87.0390, 62.6747,
43.8997


 0.0000, 0.0000,
0.0000


 112.3379, 83.5873,
61.1310


 142.1178,


108.7001, 82.3676

 176.7440,
138.3977, 108.0280


 14.9709, 7.6630,
3.1727


 14.9709, 7.6630,
3.1727


 14.9706, 7.6629,
3.1712

 15.4089, 8.1352,
4.5642

 16.0577, 8.9251,
6.3457

 16.9847, 10.1610,
8.5599

 18.2203, 11.8981,
11.2352

 19.7909, 14.1833,
14.3973

■ 21.7197, 17.0581,
18.0700

■ 24.0280, 20.5601,
22.2755

■ 26.7352, 24.7237,
27.0344

■ 29.8595, 29.5806,
32.3663

Harmonies

Analogous

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



15.6425, 7.6630, 11.1272



14.9709, 7.6630, 3.1727



11.9666, 7.6630, 0.5780

Triad

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



14.9709, 7.6630, 3.1727



3.3099, 7.6630, 1.3884



6.4382, 7.6630, 42.8648

Complementary

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



14.9709, 7.6630, 3.1727



15.6667, 26.3800, 20.4918

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.



4.0160, 7.6630, 32.7816



14.9709, 7.6630, 3.1727



2.6046, 7.6630, 6.0680

Square

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



14.9709, 7.6630, 3.1727



5.1310, 7.6630, 0.0000



2.8164, 7.6630, 17.3151



9.9667, 7.6630, 39.4679

Rectangle

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



14.9709, 7.6630, 3.1727



9.4340, 7.6630, 0.0000



2.8164, 7.6630, 17.3151



5.4874, 7.6630, 40.7749

Sweetspot

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



14.9711, 7.6635, 3.1728



43.3603, 36.9225, 39.9668



13.3726, 6.1612, 33.7421



9.1320, 7.5228, 8.0838



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.



14.9711, 7.6635, 3.1728



27.1068, 13.8835, 5.3604



15.0890, 8.6571, 0.8763



6.7059, 6.6753, 7.3024



11.6787, 5.9760, 2.5588



0.2255, 0.1135, 0.1336

Inverse Universe

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



14.9711, 7.6635, 3.1728



27.1068, 13.8835, 5.3604



13.7219, 17.2911, 35.8720



6.7059, 6.6753, 7.3024



11.6787, 5.9760, 2.5588



0.2255, 0.1135, 0.1336

Previews

White Background



This preview shows how the XYZ color 14.9709, 7.6630, 3.1727 looks on a white background.

Color Contrast Check

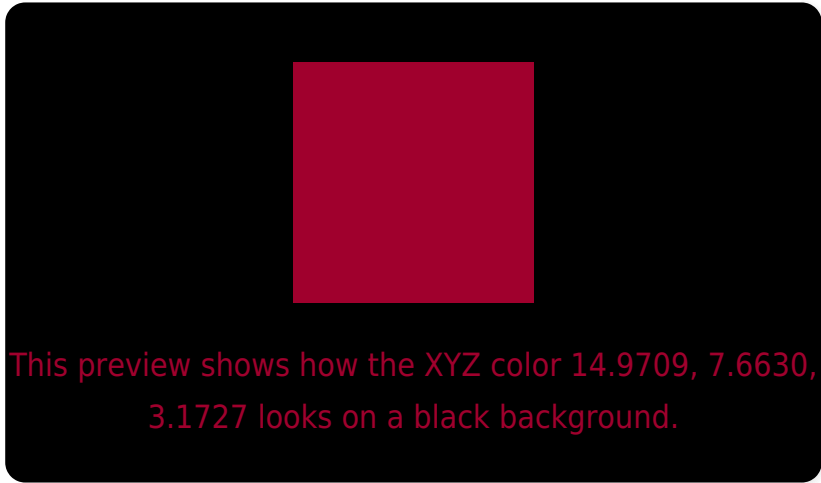
Large Text (above 18pt) WCAG AA ✓ Pass

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

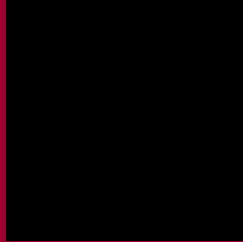
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.9709, 7.6630, 3.1727

Background



This preview shows how black text looks on a background with the XYZ color 14.9709, 7.6630, 3.1727.



This preview shows how white text looks on a background with the XYZ color 14.9709, 7.6630,

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

14.9709, 7.6630, 3.1727

Protanopia

7.7933, 8.2685, 6.4954

Deuteranopia

8.3546, 8.2080, 2.8942



Tritanopia

14.5936, 7.8352, 1.1586

Trichromacy



Original Color

14.9709, 7.6630, 3.1727

Protanomaly

8.8275, 6.2825, 4.8851

Deuteranomaly

9.5074, 6.4874, 2.7586

Tritanomaly

14.5932, 7.6805, 1.6330

Monochromacy



Original Color

14.9709, 7.6630, 3.1727

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.5614, 3.6497, 3.4289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9709, 7.6630, 3.1727 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(160, 0, 45)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 45)  
}
```

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(160, 0, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 45) }
```

Border

The CSS property to change the border of an element to XYZ 14.9709, 7.6630, 3.1727 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(160, 0, 45) }
```


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

```
.border{ border-color:rgb(160, 0, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 0, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(160, 0, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.9709, 7.6630, 3.1727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 45) }
```

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

```
.background{ background-color: rgb(160, 0,  
45) }
```

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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