

Converting Colors

XYZ(14.7084, 7.5145, 3.7583)

Have a look what the booklet for
XYZ(14.7084, 7.5145, 3.7583)
contains.

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Color

**XYZ(14.6981, 7.5081,
3.8065)**

Conversions

Conversions Part 1

Format	Color
Hex	9E0033
RGB	158, 0, 51
RGB Percent	62%, 0%, 20%
CMY	0.3804, 0.9999, 0.8000
CMYK	0.00, 1.00, 0.68, 0.38
HSL	341°, 100%, 31%
HSV	341°, 100%, 62%
XYZ	14.6981, 7.5081, 3.8065
YIQ	53.0560, 77.7970, 49.3570

Conversions

Conversions Part 2

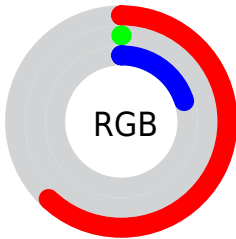
Format	Color
RYB	158, 0, 51
Decimal	10354739
CIELab	32.94, 57.44, 18.98
CIElCh	33, 60.496, 18.282
Yxy	7.5081, 0.5650, 0.2886
Android (android.graphics.Color)	4288544819 (0xFF9E0033)
YUV	53.0560, -1.0136, 92.0359
Hunter-Lab	27.4009, 47.7974, 10.9441

Details

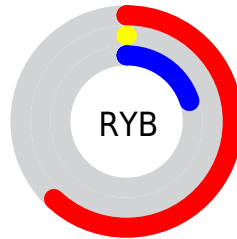
The XYZ color **14.6981, 7.5081, 3.8065** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.8821, 25.5157, 18.0566**, and the grayscale version is **3.3867, 3.5631, 3.8802**.

A 20% lighter version of the original color is **33.8872, 20.9553, 13.5680**, and **5.1785, 2.6658, 0.4139** is the 20% darker color. If you saturate the color by 10%, you get **14.6977, 7.5080, 3.8048**, and if you desaturate by 10%, it is **15.1445, 7.9789, 5.2565**.

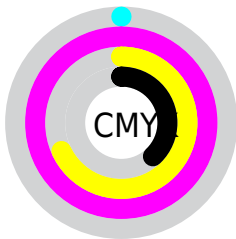
Distribution



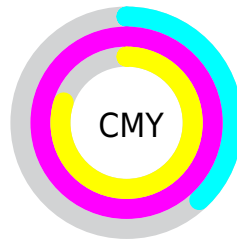
- Red (62%)
- Green (0%)
- Blue (20%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (38%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.6981, 7.5081, 3.8065 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 14.6981, 7.5081, 3.8065 by changing the saturation by 10% instead.


 14.6981, 7.5081,
3.8065


 14.6981, 7.5081,
3.8065


214.9564,
171.8213, 146.0497


 8.6927, 3.7818,
1.5198


 33.8987, 20.9883,
13.5610


 4.5968, 1.5523,
0.2326

 47.8246, 31.5111,
21.8658


 2.0450, 0.3251,
0.0000

 65.1215, 45.0681,
33.0138

 0.6590, 0.0000,
0.0000

 86.1545, 62.0438,
47.4235

 0.0000, 0.0000,
0.0000

 111.2892, 82.8226,
65.5134

 140.8908,

107.7888, 87.7020

175.3248,
137.3269, 114.4079

14.6981, 7.5081,
3.8065

14.6981, 7.5081,
3.8065

14.6977, 7.5080,
3.8048

15.1445, 7.9789,
5.2565

15.7898, 8.7550,
7.0577

16.6993, 9.9622,
9.2475

17.9020, 11.6534,
11.8499

19.4226, 13.8740,
14.8865

■ 21.2832, 16.6641,
18.3775

■ 23.5039, 20.0597,
22.3415

■ 26.1030, 24.0939,
26.7960

■ 29.0976, 28.7976,
31.7577

Harmonies

Analogous

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



14.9947, 7.5081, 12.2916



14.6981, 7.5081, 3.8065



12.0516, 7.5081, 0.8132

Triad

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



14.6981, 7.5081, 3.8065



3.4642, 7.5081, 1.1686



5.9605, 7.5081, 40.3101

Complementary

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



14.6981, 7.5081, 3.8065



14.8821, 25.5157, 18.0566

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.



3.7805, 7.5081, 29.5787



14.6981, 7.5081, 3.8065



2.6545, 7.5081, 5.0986

Square

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



14.6981, 7.5081, 3.8065



5.3782, 7.5081, 0.0000



2.7497, 7.5081, 15.0250



9.2408, 7.5081, 38.8191

Rectangle

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



14.6981, 7.5081, 3.8065



9.6579, 7.5081, 0.0409



2.7497, 7.5081, 15.0250



5.0968, 7.5081, 37.8093

Sweetspot

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



14.6983, 7.5086, 3.8066



42.4221, 36.0262, 40.1154



12.0375, 5.4930, 32.7734



9.1883, 7.5453, 8.3802



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.



14.6983, 7.5086, 3.8066



26.6093, 13.6018, 6.4785



14.4778, 8.0236, 0.7863



6.7169, 6.6797, 7.3603



11.7878, 6.0197, 3.1337



0.2290, 0.1149, 0.1519

Inverse Universe

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



14.6983, 7.5086, 3.8066



26.6093, 13.6018, 6.4785



14.3784, 18.8819, 35.2344



6.7169, 6.6797, 7.3603



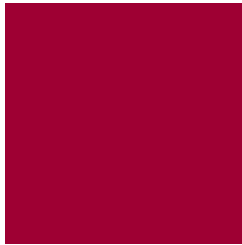
11.7878, 6.0197, 3.1337



0.2290, 0.1149, 0.1519

Previews

White Background



This preview shows how the XYZ color 14.6981, 7.5081, 3.8065 looks on a white background.

Color Contrast Check

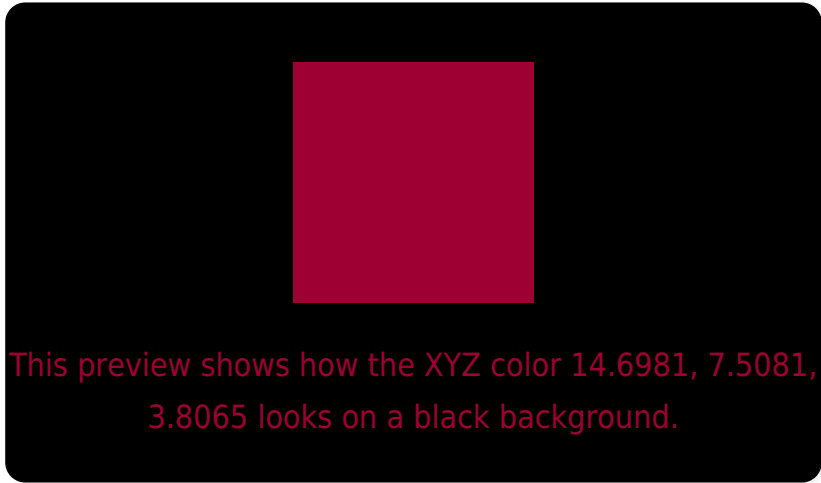
Large Text (above 18pt) WCAG AA ✓ Pass

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

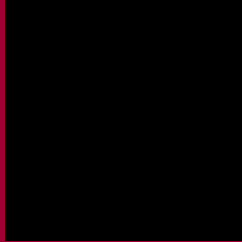
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6981, 7.5081, 3.8065

Background



This preview shows how black text looks on a background with the XYZ color 14.6981, 7.5081, 3.8065.



This preview shows how white text looks on a background with the XYZ color 14.6981, 7.5081,

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

14.6981, 7.5081, 3.8065

Protanopia

7.7059, 8.0843, 7.8109

Deuteranopia

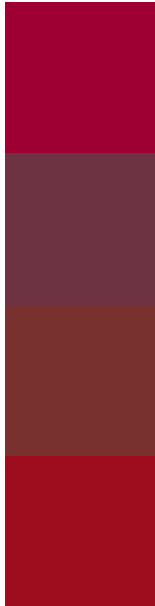
8.2541, 8.1423, 3.5194



Tritanopia

14.2820, 7.7481, 1.3151

Trichromacy



Original Color

14.6981, 7.5081, 3.8065

Protanomaly

8.5976, 6.0760, 5.8739

Deuteranomaly

9.3571, 6.3949, 3.4305

Tritanomaly

14.2829, 7.5497, 1.9327

Monochromacy



Original Color

14.6981, 7.5081, 3.8065

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.5062, 3.6161, 3.6566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6981, 7.5081, 3.8065 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(158, 0, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 51) }
```

Border

The CSS property to change the border of an element to XYZ 14.6981, 7.5081, 3.8065 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, 51) }
```


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

```
.border{ border-color:rgb(158, 0, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(158, 0, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.6981, 7.5081, 3.8065 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, 51) }
```

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

```
.background{ background-color: rgb(158, 0,  
51) }
```

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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