

Converting Colors

XYZ(14.6199, 7.4791, 3.2922)

Have a look what the booklet for
XYZ(14.6199, 7.4791, 3.2922)
contains.

XYZ(14.5937, 7.4664, 3.2567)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.5937, 7.4664,
3.2567)**

Conversions

Conversions Part 1

Format	Color
Hex	9E002E
RGB	158, 0, 46
RGB Percent	62%, 0%, 18%
CMY	0.3804, 0.9999, 0.8196
CMYK	0.00, 1.00, 0.71, 0.38
HSL	343°, 100%, 31%
HSV	343°, 100%, 62%
XYZ	14.5937, 7.4664, 3.2567
YIQ	52.4860, 79.4020, 47.8020

Conversions

Conversions Part 2

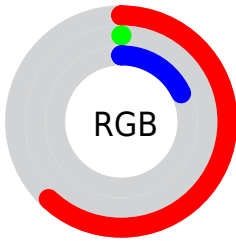
Format	Color
RYB	158, 0, 46
Decimal	10354734
CIELab	32.85, 57.20, 22.13
CIELCh	33, 61.330, 21.156
Yxy	7.4664, 0.5764, 0.2949
Android (android.graphics.Color)	4288544814 (0xFF9E002E)
YUV	52.4860, -3.1976, 92.5358
Hunter-Lab	27.3247, 47.5158, 12.0608

Details

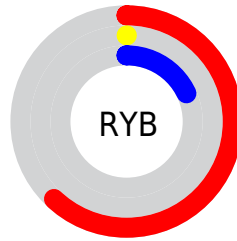
The XYZ color **14.5937, 7.4664, 3.2567** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.1532, 25.6241, 19.4841**, and the grayscale version is **3.3207, 3.4936, 3.8045**.

A 20% lighter version of the original color is **33.6178, 20.8476, 12.1497**, and **5.1456, 2.6526, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **14.5932, 7.4662, 3.2548**, and if you desaturate by 10%, it is **15.0267, 7.9319, 4.6363**.

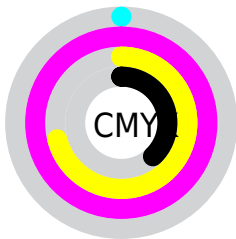
Distribution



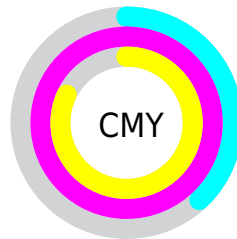
- Red (62%)
- Green (0%)
- Blue (18%)



- Red (62%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (38%)





- Cyan (38%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.5937, 7.4664, 3.2567 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 14.5937, 7.4664, 3.2567 by changing the saturation by 10% instead.


 14.5937, 7.4664,
3.2567


 14.5937, 7.4664,
3.2567


214.3311,
171.4848, 139.5658


 8.6192, 3.7555,
1.2272


 33.7164, 20.9055,
12.2556

 4.5487, 1.5377,
0.0009

 47.5952, 31.4025,
20.0619


 2.0170, 0.3151,
0.0000

 64.8396, 44.9302,
30.6310

 0.6435, 0.0000,
0.0000

 85.8148, 61.8732,
44.3813

 0.0000, 0.0000,
0.0000

 110.8862, 82.6157,
61.7314

 140.4191,

107.5422, 83.0998

174.7790,
137.0371, 108.9051

14.5937, 7.4664,
3.2567

14.5937, 7.4664,
3.2567

14.5932, 7.4662,
3.2548

15.0267, 7.9319,
4.6363

15.6627, 8.7043,
6.3882

16.5675, 9.9097,
8.5527

17.7705, 11.6011,
11.1566

19.2970, 13.8242,
14.2239

■ 21.1695, 16.6191,
17.7771

■ 23.4084, 20.0221,
21.8367

■ 26.0324, 24.0665,
26.4223

■ 29.0591, 28.7831,
31.5523

Harmonies

Analogous

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



15.1575, 7.4664, 11.1774



14.5937, 7.4664, 3.2567



11.7402, 7.4664, 0.6197

Triad

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



14.5937, 7.4664, 3.2567



3.2794, 7.4664, 1.3034



6.1852, 7.4664, 41.3370

Complementary

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



14.5937, 7.4664, 3.2567



15.1532, 25.6241, 19.4841

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.



3.8743, 7.4664, 31.2925



14.5937, 7.4664, 3.2567



2.5633, 7.4664, 5.6933

Square

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



14.5937, 7.4664, 3.2567



5.0854, 7.4664, 0.0000



2.7419, 7.4664, 16.3721



9.5784, 7.4664, 38.4897

Rectangle

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



14.5937, 7.4664, 3.2567



9.2940, 7.4664, 0.0000



2.7419, 7.4664, 16.3721



5.2761, 7.4664, 39.1850

Sweetspot

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



14.5939, 7.4669, 3.2568



42.2454, 35.9555, 39.1848



12.6781, 5.8233, 32.8033



9.1452, 7.5281, 8.1535



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.



14.5939, 7.4669, 3.2568



26.4251, 13.5281, 5.5087



14.6070, 8.2818, 0.8294



6.7085, 6.6763, 7.3161



11.7031, 5.9858, 2.6878



0.2263, 0.1139, 0.1379

Inverse Universe

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



14.5939, 7.4669, 3.2568



26.4251, 13.5281, 5.5087



13.6846, 17.4942, 35.0030



6.7085, 6.6763, 7.3161



11.7031, 5.9858, 2.6878



0.2263, 0.1139, 0.1379

Previews

White Background



This preview shows how the XYZ color 14.5937, 7.4664, 3.2567 looks on a white background.

Color Contrast Check

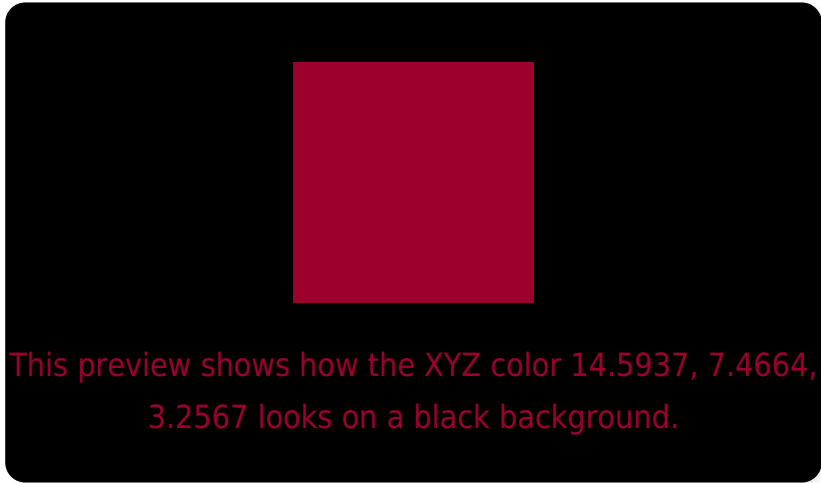
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5937, 7.4664, 3.2567

Background



This preview shows how black text looks on a background with the XYZ color 14.5937, 7.4664, 3.2567.



This preview shows how white text looks on a background with the XYZ color 14.5937, 7.4664,

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

14.5937, 7.4664, 3.2567

Protanopia

7.6584, 8.0860, 6.6260

Deuteranopia

8.1493, 8.1003, 2.9677



Tritanopia

14.2237, 7.6683, 1.1824

Trichromacy



Original Color

14.5937, 7.4664, 3.2567

Protanomaly

8.6815, 6.1386, 5.0023

Deuteranomaly

9.2443, 6.3498, 2.8362

Tritanomaly

14.2226, 7.5056, 1.6764

Monochromacy



Original Color

14.5937, 7.4664, 3.2567

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.4621, 3.5985, 3.4243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5937, 7.4664, 3.2567 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, 46)` looks like.

```
.text, #text, p{  
  color:rgb(158, 0, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 46) }
```

Border

The CSS property to change the border of an element to XYZ 14.5937, 7.4664, 3.2567 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, 46) }
```


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

```
.border{ border-color:rgb(158, 0, 46) }
```

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, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(158, 0, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.5937, 7.4664, 3.2567 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, 46) }
```

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

```
.background{ background-color: rgb(158, 0,  
46) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor