

Converting Colors

XYZ(15.1584, 7.5661, 1.2099)

Have a look what the booklet for
XYZ(15.1584, 7.5661, 1.2099)
contains.

XYZ(15.4110, 7.9330, 1.2493)	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>	30

Color

**XYZ(15.4110, 7.9330,
1.2493)**

Conversions

Conversions Part 1

Format	Color
Hex	A40011
RGB	164, 0, 17
RGB Percent	64%, 0%, 7%
CMY	0.3569, 0.9999, 0.9333
CMYK	0.00, 1.00, 0.90, 0.36
HSL	354°, 100%, 32%
HSV	354°, 100%, 64%
XYZ	15.4110, 7.9330, 1.2493
YIQ	50.9740, 92.2870, 40.0550

Conversions

Conversions Part 2

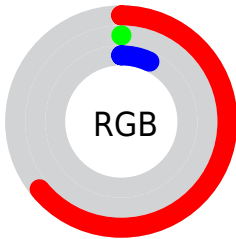
Format	Color
RYB	164, 0, 17
Decimal	10747921
CIELab	33.84, 57.81, 40.83
CIELCh	34, 70.770, 35.232
Yxy	7.9330, 0.6266, 0.3226
Android (android.graphics.Color)	4288938001 (0xFFA40011)
YUV	50.9740, -16.7492, 99.1238
Hunter-Lab	28.1656, 48.3778, 17.0861

Details

The XYZ color **15.4110, 7.9330, 1.2493** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.5442, 28.6582, 32.1689**, and the grayscale version is **3.1566, 3.3210, 3.6166**.

A 20% lighter version of the original color is **35.1325, 21.8476, 6.9227**, and **5.4795, 2.8248, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **15.4107, 7.9328, 1.2483**, and if you desaturate by 10%, it is **15.7581, 8.3785, 2.1321**.

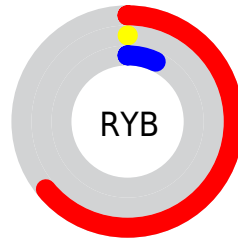
Distribution



Red (64%)

Green (0%)

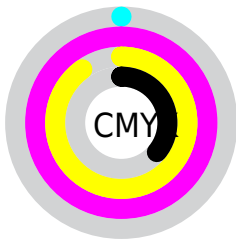
Blue (7%)



Red (64%)

Yellow (0%)

Blue (7%)

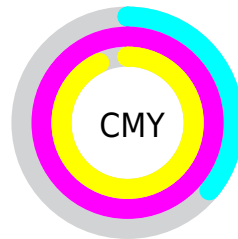


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (36%)



Cyan (36%)


Magenta (100%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4110, 7.9330, 1.2493 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 15.4110, 7.9330, 1.2493 by changing the saturation by 10% instead.


 15.4110, 7.9330,
1.2493


 15.4110, 7.9330,
1.2493


 219.1800,
175.2055, 109.3437


 9.1965, 4.0521,
0.0197


 35.1384, 21.8270,
6.8624


 4.9277, 1.7028,
0.0000

 49.3820, 32.6089,
12.3579


 2.2392, 0.4254,
0.0000

 67.0327, 46.4599,
20.2041

 0.7633, 0.0000,
0.0000


 88.4558, 63.7644,
30.8194


 0.0000, 0.0000,
0.0000


 114.0168, 84.9068,
44.6225


 144.0809,


110.2716, 62.0319


 179.0135,
140.2430, 83.4661


 15.4110, 7.9330,
1.2493


 15.4110, 7.9330,
1.2493


 15.4107, 7.9328,
1.2483

 15.7581, 8.3785,
2.1321

 16.3499, 9.1711,
3.5353

 17.2628, 10.4462,
5.5366

 18.5341, 12.2647,
8.1934

 20.1964, 14.6781,
11.5563

■ 22.2783, 17.7324,
15.6711

■ 24.8059, 21.4686,
20.5794

■ 27.8030, 25.9247,
26.3201

■ 31.2918, 31.1357,
32.9293

Harmonies

Analogous

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



17.6606, 7.9330, 6.8341



15.4110, 7.9330, 1.2493



11.1124, 7.9330, 0.0000

Triad

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



15.4110, 7.9330, 1.2493



2.5961, 7.9330, 2.4272



8.2402, 7.9330, 52.0808

Complementary

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



15.4110, 7.9330, 1.2493



18.5442, 28.6582, 32.1689

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.



4.8294, 7.9330, 46.1159



15.4110, 7.9330, 1.2493



2.2878, 7.9330, 10.7336

Square

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



15.4110, 7.9330, 1.2493



4.0066, 7.9330, 0.0380



2.9445, 7.9330, 27.7235



12.7073, 7.9330, 40.4230

Rectangle

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



15.4110, 7.9330, 1.2493



8.1765, 7.9330, 0.0000



2.9445, 7.9330, 27.7235



6.9375, 7.9330, 52.1307

Sweetspot

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



15.4112, 7.9335, 1.2494



44.7377, 38.5402, 36.7968



18.3551, 8.6888, 35.8313



9.3628, 7.8073, 7.2363



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.4112, 7.9335, 1.2494



27.9365, 14.3848, 2.0719



17.0809, 11.4346, 1.3076



7.1022, 7.0973, 7.5246



11.8254, 6.0862, 1.0051



0.2568, 0.1312, 0.0648

Inverse Universe

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



15.4112, 7.9335, 1.2494



27.9365, 14.3848, 2.0719



11.3688, 12.0158, 36.8417



7.1022, 7.0973, 7.5246



11.8254, 6.0862, 1.0051



0.2568, 0.1312, 0.0648

Previews

White Background



This preview shows how the XYZ color 15.4110, 7.9330, 1.2493 looks on a white background.

Color Contrast Check

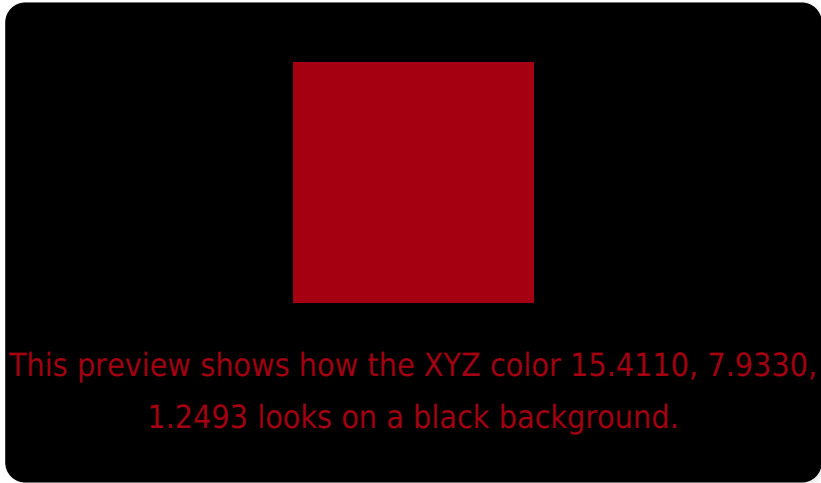
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4110, 7.9330, 1.2493

Background



This preview shows how black text looks on a background with the XYZ color 15.4110, 7.9330, 1.2493.



This preview shows how white text looks on a background with the XYZ color 15.4110, 7.9330,

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

15.4110, 7.9330, 1.2493

Protanopia

7.7542, 8.5608, 2.5400

Deuteranopia

8.5049, 8.5350, 1.1992

Trichromacy



Original Color

15.4110, 7.9330, 1.2493

Protanomaly

8.9308, 6.4723, 1.7559

Deuteranomaly

9.7777, 6.7300, 0.9560

Monochromacy



Original Color

15.4110, 7.9330, 1.2493

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.2964, 3.4548, 2.3072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4110, 7.9330, 1.2493 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(164, 0, 17)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 17)  
}
```

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(164, 0, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 17) }
```

Border

The CSS property to change the border of an element to XYZ 15.4110, 7.9330, 1.2493 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(164, 0, 17) }
```

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

```
.border{ border-color:rgb(164, 0, 17) }
```

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

Here you see how a box with a 4 pixel rgb(164, 0, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 17);  
box-shadow:4px 4px 4px 4px rgb(164, 0, 17)  
}
```


Background

The CSS property to change the background color of an element to XYZ 15.4110, 7.9330, 1.2493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 17) }
```

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

```
.background{ background-color: rgb(164, 0,  
17) }
```

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