

Converting Colors

XYZ(15.0302, 8.9519, 1.4185)

Have a look what the booklet for
XYZ(15.0302, 8.9519, 1.4185)
contains.

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Color

**XYZ(15.0220, 8.9624,
1.4284)**

Conversions

Conversions Part 1

Format	Color
Hex	9E2A10
RGB	158, 42, 16
RGB Percent	62%, 16%, 6%
CMY	0.3804, 0.8353, 0.9372
CMYK	0.00, 0.73, 0.90, 0.38
HSL	11°, 82%, 34%
HSV	11°, 90%, 62%
XYZ	15.0220, 8.9624, 1.4284
YIQ	73.7200, 77.4820, 16.5060

Conversions

Conversions Part 2

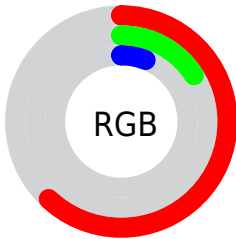
Format	Color
R _Y B	158, 48, 16
Decimal	10365456
CIE Lab	35.91, 46.58, 42.33
CIE LCh	36, 62.940, 42.268
Yxy	8.9624, 0.5911, 0.3527
Android (android.graphics.Color)	4288555536 (0xFF9E2A10)
YUV	73.7200, -28.4560, 73.9136
Hunter-Lab	29.9373, 37.1780, 18.1272

Details

The XYZ color **15.0220, 8.9624, 1.4284** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.6355, 19.0793, 35.2587**, and the grayscale version is **6.4990, 6.8375, 7.4460**.

A 20% lighter version of the original color is **34.5676, 23.9292, 7.3543**, and **5.0370, 2.5967, 0.2357** is the 20% darker color. If you saturate the color by 10%, you get **14.5434, 8.1532, 0.8130**, and if you desaturate by 10%, it is **15.7205, 10.0965, 2.4726**.

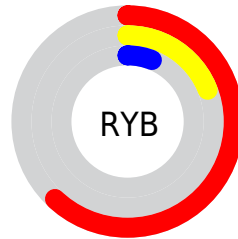
Distribution



Red (62%)

Green (16%)

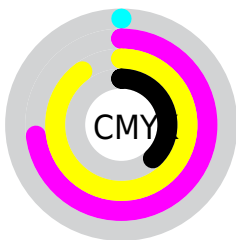
Blue (6%)



Red (62%)

Yellow (19%)

Blue (6%)

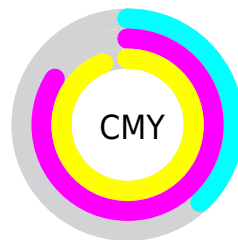


Cyan (0%)

Magenta (73%)

Yellow (90%)

Black (38%)



Cyan (38%)


Magenta (84%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0220, 8.9624, 1.4284 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 15.0220, 8.9624, 1.4284 by changing the saturation by 10% instead.


 15.0220, 8.9624,
1.4284


 15.0220, 8.9624,
1.4284


 216.8851,
183.0971, 112.7526


 8.9212, 4.7167,
0.1637


 34.4631, 23.8247,
7.4092


 4.7465, 2.0820,
0.0000

 48.5342, 35.2100,
13.1636


 2.1325, 0.6545,
0.0000

 65.9927, 49.7439,
21.3186

 0.7068, 0.0000,
0.0000

 87.2041, 67.8109,
32.2928


 0.0000, 0.0000,
0.0000


 112.5337, 89.7953,
46.5048


 142.3468,


116.0816, 64.3730


 177.0088,
147.0540, 86.3162


 15.0220, 8.9624,
1.4284


 15.0220, 8.9624,
1.4284


 14.5434, 8.1532,
0.8130


 15.7205, 10.0965,
2.4726

 14.5382, 8.1447,
0.8058

 16.6820, 11.5917,
4.1116

 17.9310, 13.4767,
6.4178

 19.4892, 15.7767,
9.4536

 21.3758, 18.5148,
13.2738

■ 23.6087, 21.7122,
17.9281

■ 26.2042, 25.3890,
23.4621

■ 29.1779, 29.5637,
29.9178

■ 32.5441, 34.2543,
37.3349

Harmonies

Analogous

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



17.6503, 8.9624, 6.0051



15.0220, 8.9624, 1.4284



10.9007, 8.9624, 0.1375

Triad

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



15.0220, 8.9624, 1.4284



3.3422, 8.9624, 4.7356



10.1391, 8.9624, 46.8652

Complementary

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



15.0220, 8.9624, 1.4284



14.6355, 19.0793, 35.2587

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.



6.5114, 8.9624, 45.4344



15.0220, 8.9624, 1.4284



3.2481, 8.9624, 14.8194

Square

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



15.0220, 8.9624, 1.4284



4.5406, 8.9624, 1.0766



4.2295, 8.9624, 31.1875



14.3259, 8.9624, 34.2958

Rectangle

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



15.0220, 8.9624, 1.4284



8.2371, 8.9624, 0.0000



4.2295, 8.9624, 31.1875



8.8062, 8.9624, 48.1694

Sweetspot

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



15.0222, 8.9629, 1.4285



43.9188, 40.9161, 34.7680



18.6121, 9.3702, 23.5039



9.5827, 8.7710, 7.1650



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.



15.0222, 8.9629, 1.4285



26.2942, 14.5760, 1.4276



19.8421, 18.6027, 3.0352



6.7265, 6.8330, 6.9500



11.6659, 6.5674, 0.6528



0.2323, 0.1649, 0.0196

Inverse Universe

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



14.6355, 19.0793, 35.2587



25.3436, 32.7552, 63.7301



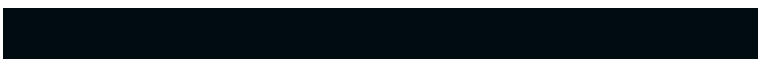
8.1813, 6.1709, 33.1073



6.7185, 7.3027, 8.4621



11.2630, 14.6175, 28.1351



0.2260, 0.3105, 0.5113

Previews

White Background



This preview shows how the XYZ color 15.0220, 8.9624, 1.4284 looks on a white background.

Color Contrast Check

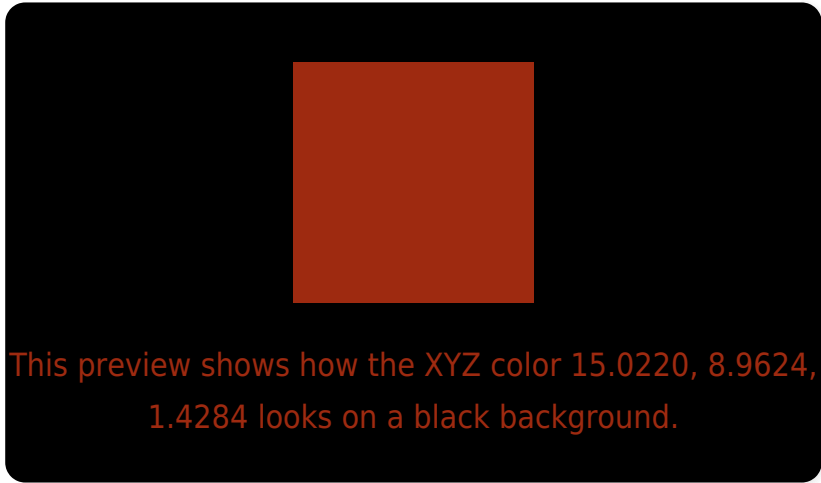
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0220, 8.9624, 1.4284

Background



This preview shows how black text looks on a background with the XYZ color 15.0220, 8.9624, 1.4284.



This preview shows how white text looks on a background with the XYZ color 15.0220, 8.9624,

1.4284.

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

15.0220, 8.9624, 1.4284

Protanopia

8.3495, 9.2215, 2.3768

Deuteranopia

9.1268, 9.0730, 1.2702



Tritanopia

15.4571, 9.0486, 3.0297

Trichromacy



Original Color

15.0220, 8.9624, 1.4284

Protanomaly

9.9526, 8.3641, 1.9005

Deuteranomaly

10.6442, 8.4631, 1.2448

Tritanomaly

15.3517, 9.0611, 2.3063

Monochromacy



Original Color

15.0220, 8.9624, 1.4284

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.1909, 6.7055, 4.2308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0220, 8.9624, 1.4284 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, 42, 16)` looks like.

```
.text, #text, p{  
    color:rgb(158, 42, 16)  
}
```

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, 42, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 42, 16) }
```

Border

The CSS property to change the border of an element to XYZ 15.0220, 8.9624, 1.4284 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, 42, 16) }
```


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

```
.border{ border-color:rgb(158, 42, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 42, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 42, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 42, 16);  
box-shadow:4px 4px 4px 4px rgb(158, 42,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0220, 8.9624, 1.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 42, 16) }
```

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

```
.background{ background-color: rgb(158, 42,  
16) }
```

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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