

Converting Colors

XYZ(15.1566, 9.0243, 2.1477)

Have a look what the booklet for
XYZ(15.1566, 9.0243, 2.1477)
contains.

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Color

**XYZ(15.1629, 9.0188,
2.1699)**

Conversions

Conversions Part 1

Format	Color
Hex	9E2A1E
RGB	158, 42, 30
RGB Percent	62%, 16%, 12%
CMY	0.3804, 0.8353, 0.8824
CMYK	0.00, 0.73, 0.81, 0.38
HSL	6°, 68%, 37%
HSV	6°, 81%, 62%
XYZ	15.1629, 9.0188, 2.1699
YIQ	75.3160, 72.9880, 20.8600

Conversions

Conversions Part 2

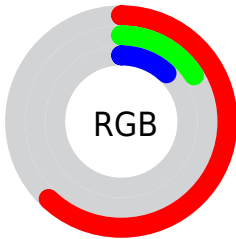
Format	Color
R_{YB}	158, 43, 30
Decimal	10365470
CIE _{Lab}	36.02, 46.95, 35.47
CIE _{LCh}	36, 58.840, 37.068
Yxy	9.0188, 0.5754, 0.3422
Android (android.graphics.Color)	4288555550 (0xFF9E2A1E)
YUV	75.3160, -22.3408, 72.5139
Hunter-Lab	30.0313, 37.5704, 16.7379

Details

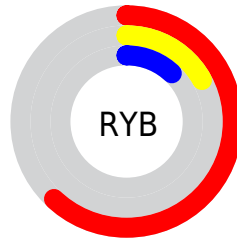
The XYZ color **15.1629, 9.0188, 2.1699** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.9845, 23.2998, 35.9497**, and the grayscale version is **6.7755, 7.1283, 7.7628**.

A 20% lighter version of the original color is **34.6663, 23.9338, 9.4492**, and **5.1456, 2.6526, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **14.5891, 8.1172, 1.2205**, and if you desaturate by 10%, it is **16.0197, 10.3248, 3.7127**.

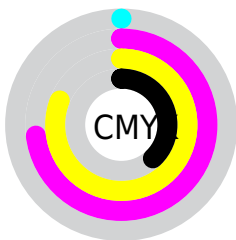
Distribution



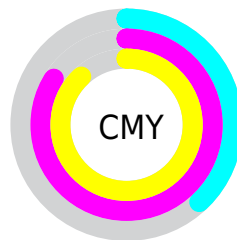
- Red (62%)
- Green (16%)
- Blue (12%)



- Red (62%)
- Yellow (17%)
- Blue (12%)



- Cyan (0%)
- Magenta (73%)
- Yellow (81%)
- Black (38%)





- Cyan (38%)
- Magenta (84%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1629, 9.0188, 2.1699 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 15.1629, 9.0188, 2.1699 by changing the saturation by 10% instead.


 15.1629, 9.0188,
2.1699


 15.1629, 9.0188,
2.1699


217.7190,
183.5181, 124.9616


 9.0209, 4.7534,
0.6569


 34.7080, 23.9328,
9.5003

 4.8120, 2.1033,
0.0000

 48.8418, 35.3503,
16.1863

 2.1710, 0.6665,
0.0000

 66.3702, 49.9205,
25.4442

 0.7274, 0.0000,
0.0000

 87.6586, 68.0280,
37.6926


 0.0000, 0.0000,
0.0000


 113.0723, 90.0571,
53.3500


 142.9767,


116.3923, 72.8349


 177.7371,
147.4178, 96.5659


 15.1629, 9.0188,
2.1699


 15.1629, 9.0188,
2.1699


 14.5891, 8.1172,
1.2205


 16.0197, 10.3248,
3.7127

 14.2688, 7.6057,
0.7160

 17.1897, 12.0738,
5.9246

 18.6997, 14.3015,
8.8704

 20.5735, 17.0396,
12.6071

 22.8328, 20.3171,
17.1862

■ 25.4974, 24.1607,
22.6548

■ 28.5861, 28.5955,
29.0564

■ 32.1162, 33.6449,
36.4318

■ 36.1040, 39.3312,
44.8193

Harmonies

Analogous

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



17.1646, 9.0188, 7.6287



15.1629, 9.0188, 2.1699



11.4795, 9.0188, 0.5533

Triad

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



15.1629, 9.0188, 2.1699



3.7381, 9.0188, 4.0504



9.4296, 9.0188, 44.1968

Complementary

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



15.1629, 9.0188, 2.1699



16.9845, 23.2998, 35.9497

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.



6.2024, 9.0188, 40.5392



15.1629, 9.0188, 2.1699



3.4677, 9.0188, 12.3952

Square

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



15.1629, 9.0188, 2.1699



5.1139, 9.0188, 1.0627



4.2362, 9.0188, 26.6831



13.3171, 9.0188, 34.7222

Rectangle

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



15.1629, 9.0188, 2.1699



8.9219, 9.0188, 0.2336



4.2362, 9.0188, 26.6831



8.2315, 9.0188, 44.5290

Sweetspot

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



15.1631, 9.0193, 2.1700



44.5455, 41.3442, 37.5209



19.8574, 10.3147, 28.6853



9.6759, 8.7918, 7.7064



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.



15.1631, 9.0193, 2.1700



25.9880, 13.9092, 1.4930



19.3525, 17.3982, 3.5665



6.6806, 6.7413, 6.9348



11.4421, 6.1199, 0.5782



0.2175, 0.1353, 0.0146

Inverse Universe

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



16.9845, 23.2998, 35.9497



29.2158, 40.3844, 64.9986



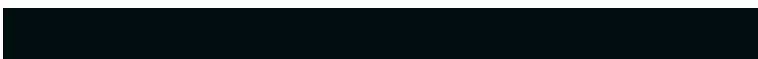
9.8258, 8.9823, 33.5635



6.7686, 7.4030, 8.4789



12.8463, 17.7841, 28.6628



0.2436, 0.3458, 0.5171

Previews

White Background



This preview shows how the XYZ color 15.1629, 9.0188, 2.1699 looks on a white background.

Color Contrast Check

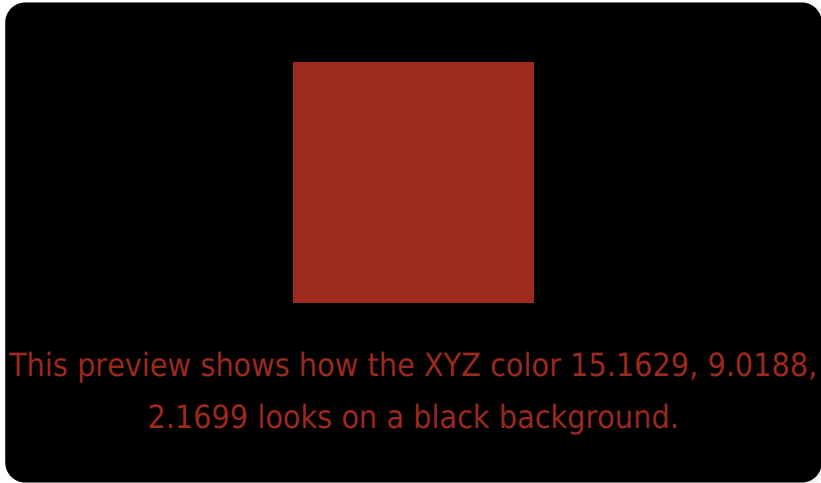
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1629, 9.0188, 2.1699

Background



This preview shows how black text looks on a background with the XYZ color 15.1629, 9.0188, 2.1699.



This preview shows how white text looks on a background with the XYZ color 15.1629, 9.0188,

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

15.1629, 9.0188, 2.1699

Protanopia

8.4650, 9.2556, 3.5309

Deuteranopia

9.3192, 9.2697, 1.9142



Tritanopia

15.2773, 8.9539, 3.1136

Trichromacy



Original Color

15.1629, 9.0188, 2.1699

Protanomaly

10.0112, 8.3718, 2.9220

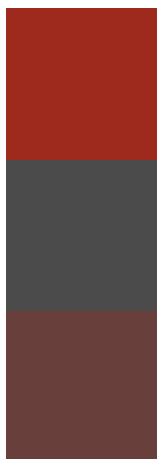
Deuteranomaly

10.7660, 8.5118, 1.8861

Tritanomaly

15.2433, 8.9949, 2.7665

Monochromacy



Original Color

15.1629, 9.0188, 2.1699

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.3926, 6.8740, 5.0222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1629, 9.0188, 2.1699 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(158, 42, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 42, 30) }
```

Border

The CSS property to change the border of an element to XYZ 15.1629, 9.0188, 2.1699 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, 30) }
```


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

```
.border{ border-color:rgb(158, 42, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 42, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 42, 30);  
box-shadow:4px 4px 4px 4px rgb(158, 42,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1629, 9.0188, 2.1699 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, 30) }
```

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

```
.background{ background-color: rgb(158, 42,  
30) }
```

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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