

Converting Colors

XYZ(15.7611, 8.7275, 2.5604)

Have a look what the booklet for
XYZ(15.7611, 8.7275, 2.5604)
contains.

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Color

**XYZ(15.8621, 8.7926,
2.5302)**

Conversions

Conversions Part 1

Format	Color
Hex	A31D24
RGB	163, 29, 36
RGB Percent	64%, 11%, 14%
CMY	0.3608, 0.8862, 0.8588
CMYK	0.00, 0.82, 0.78, 0.36
HSL	357°, 70%, 38%
HSV	357°, 82%, 64%
XYZ	15.8621, 8.7926, 2.5302
YIQ	69.8640, 77.6170, 30.5850

Conversions

Conversions Part 2

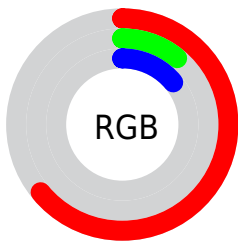
Format	Color
RYB	163, 29, 36
Decimal	10689828
CIELab	35.58, 52.95, 31.86
CIElCh	36, 61.794, 31.038
Yxy	8.7926, 0.5835, 0.3234
Android (android.graphics.Color)	4288879908 (0xFFA31D24)
YUV	69.8640, -16.6950, 81.6803
Hunter-Lab	29.6523, 43.5946, 15.6975

Details

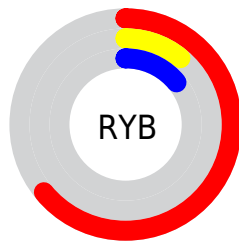
The XYZ color **15.8621, 8.7926, 2.5302** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.6057, 28.8563, 35.9933**, and the grayscale version is **5.8175, 6.1205, 6.6652**.

A 20% lighter version of the original color is **36.0263, 23.5811, 10.4374**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.3757, 8.1195, 1.4447**, and if you desaturate by 10%, it is **16.6620, 9.9301, 4.2228**.

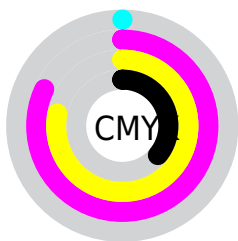
Distribution



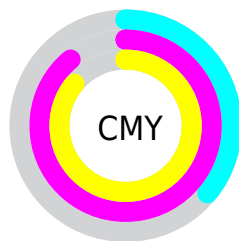
- Red (64%)
- Green (11%)
- Blue (14%)



- Red (64%)
- Yellow (11%)
- Blue (14%)



- Cyan (0%)
- Magenta (82%)
- Yellow (78%)
- Black (36%)




- Cyan (36%)
- Magenta (89%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8621, 8.7926, 2.5302 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 15.8621, 8.7926, 2.5302 by changing the saturation by 10% instead.


 15.8621, 8.7926,
2.5302


 15.8621, 8.7926,
2.5302


221.8130,
181.8231, 130.1317


 9.5169, 4.6062,
0.8561


 35.9180, 23.4982,
10.4453


 5.1396, 2.0181,
0.0000

 50.3594, 34.7862,
17.5274


 2.3650, 0.6179,
0.0000

 68.2302, 49.2101,
27.2506

 0.8276, 0.0000,
0.0000

 89.8958, 67.1544,
40.0334

 0.0000, 0.0000,
0.0000

 115.7215, 89.0035,
56.2944

 146.0727,

115.1417, 76.4521

181.3148,
145.9534, 100.9250

15.8621, 8.7926,
2.5302

15.8621, 8.7926,
2.5302

15.3757, 8.1195,
1.4447

16.6620, 9.9301,
4.2228

15.1508, 7.8051,
0.9522

17.8159, 11.5936,
6.5932

19.3586, 13.8371,
9.7031

21.3208, 16.7075,
13.6068

23.7301, 20.2467,
18.3536

■ 26.6116, 24.4933,
23.9890

■ 29.9886, 29.4828,
30.5551

■ 33.8831, 35.2482,
38.0912

■ 38.3154, 41.8207,
46.6346

Harmonies

Analogous

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



17.4393, 8.7926, 9.2165



15.8621, 8.7926, 2.5302



12.2056, 8.7926, 0.5091

Triad

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



15.8621, 8.7926, 2.5302



3.6228, 8.7926, 2.7970



8.4840, 8.7926, 46.5975

Complementary

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



15.8621, 8.7926, 2.5302



19.6057, 28.8563, 35.9933

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.



5.4167, 8.7926, 39.7998



15.8621, 8.7926, 2.5302



3.1469, 8.7926, 9.9399

Square

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



15.8621, 8.7926, 2.5302



5.2546, 8.7926, 0.5874



3.6956, 8.7926, 23.9898



12.4894, 8.7926, 38.8720

Rectangle

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



15.8621, 8.7926, 2.5302



9.4902, 8.7926, 0.0216



3.6956, 8.7926, 23.9898



7.3180, 8.7926, 45.9107

Sweetspot

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



15.8623, 8.7931, 2.5303



45.8807, 41.2420, 39.4912



20.3897, 10.4002, 35.5830



9.9166, 8.6909, 8.1107



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.



15.8623, 8.7931, 2.5303



27.1465, 14.0202, 1.6578



18.7402, 14.7034, 3.0134



7.0881, 7.0917, 7.4501



11.7804, 6.0682, 0.7681



0.2518, 0.1292, 0.0384

Inverse Universe

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



15.8623, 8.7931, 2.5303



27.1465, 14.0202, 1.6578



12.1631, 12.9962, 36.5177



7.0881, 7.0917, 7.4501



11.7804, 6.0682, 0.7681



0.2518, 0.1292, 0.0384

Previews

White Background



This preview shows how the XYZ color 15.8621, 8.7926, 2.5302 looks on a white background.

Color Contrast Check

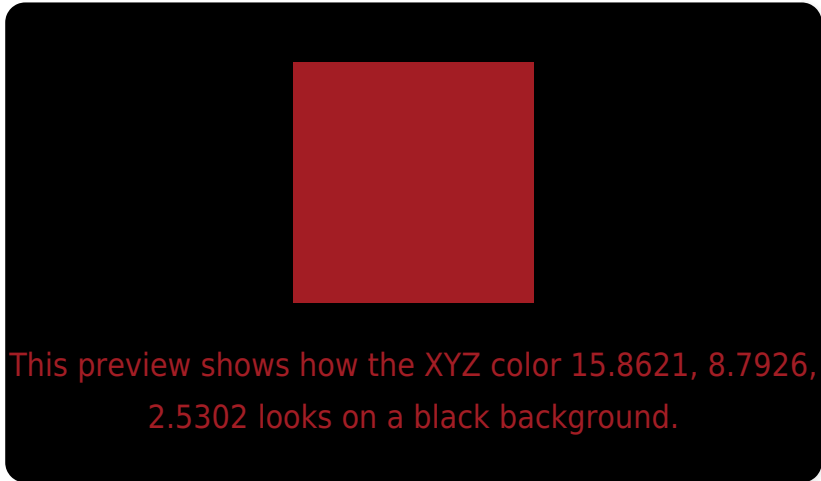
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8621, 8.7926, 2.5302

Background



This preview shows how black text looks on a background with the XYZ color 15.8621, 8.7926, 2.5302.



This preview shows how white text looks on a background with the XYZ color 15.8621, 8.7926,

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

15.8621, 8.7926, 2.5302

Protanopia

8.3825, 9.0721, 4.5581

Deuteranopia

9.1923, 9.0852, 2.2464



Tritanopia

15.8029, 8.8088, 2.0957

Trichromacy



Original Color

15.8621, 8.7926, 2.5302

Protanomaly

9.8547, 7.8294, 3.5766

Deuteranomaly

10.7094, 8.0510, 2.2179

Tritanomaly

15.8292, 8.8194, 2.2345

Monochromacy



Original Color

15.8621, 8.7926, 2.5302

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

7.8388, 5.9809, 4.7443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8621, 8.7926, 2.5302 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(163, 29, 36)` looks like.

```
.text, #text, p{  
    color:rgb(163, 29, 36)  
}
```

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(163, 29, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 29, 36) }
```

Border

The CSS property to change the border of an element to XYZ 15.8621, 8.7926, 2.5302 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(163, 29, 36) }
```


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

```
.border{ border-color:rgb(163, 29, 36) }
```

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

Here you see how a box with a 4 pixel rgb(163, 29, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 29, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 29, 36);  
box-shadow:4px 4px 4px 4px rgb(163, 29,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8621, 8.7926, 2.5302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 29, 36) }
```

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

```
.background{ background-color: rgb(163, 29,  
36) }
```

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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